

FIG. 1

FIG. 2

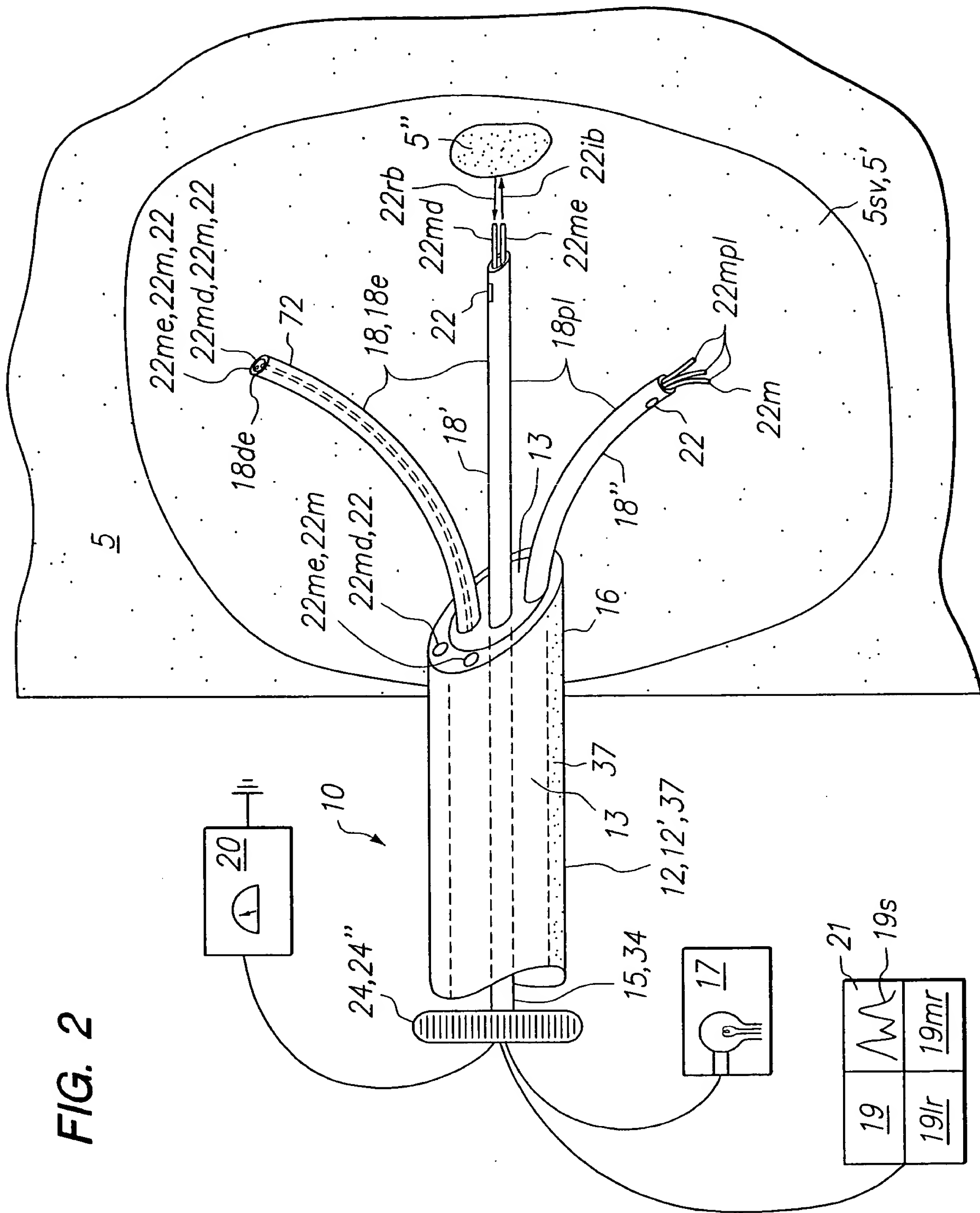


FIG. 3A

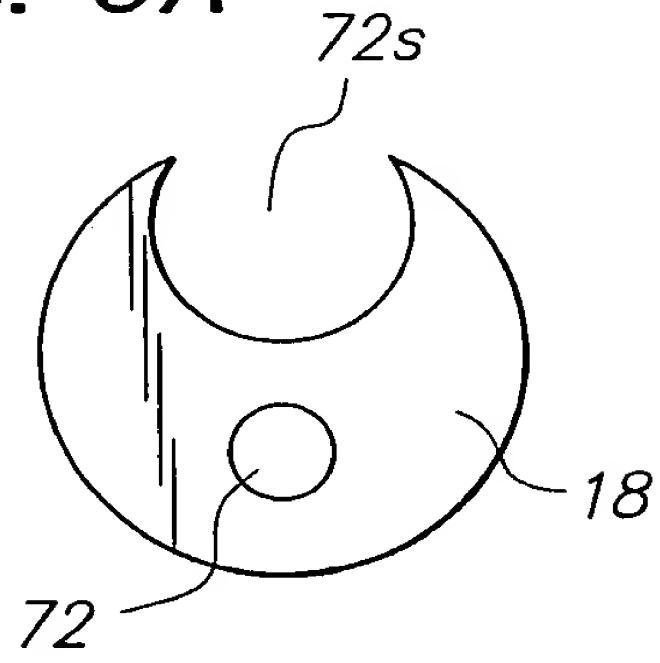


FIG. 3B

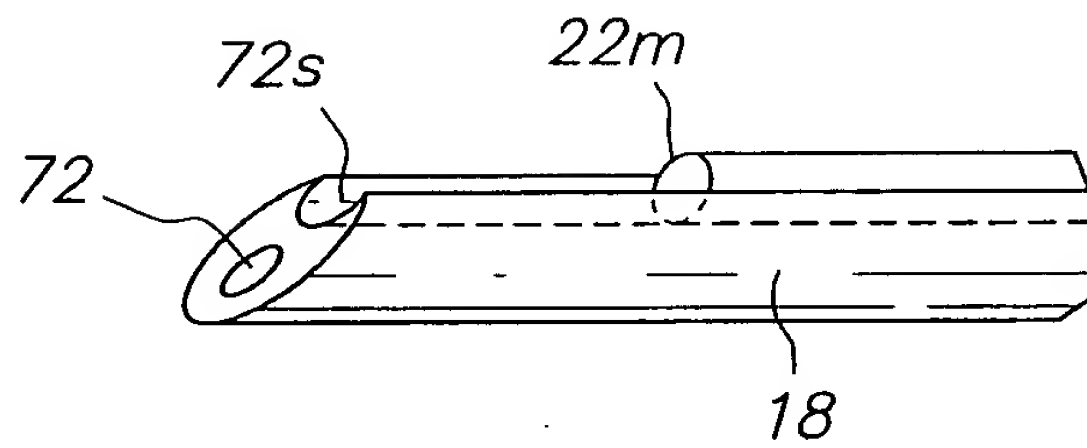


FIG. 3C

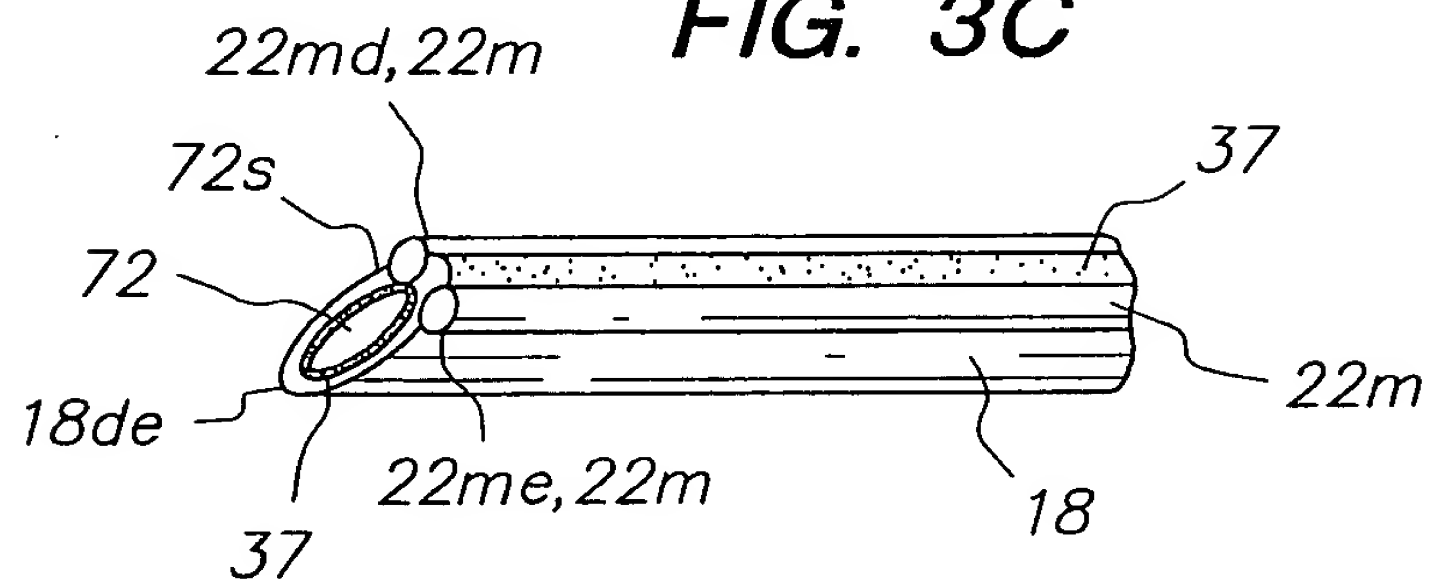


FIG. 4

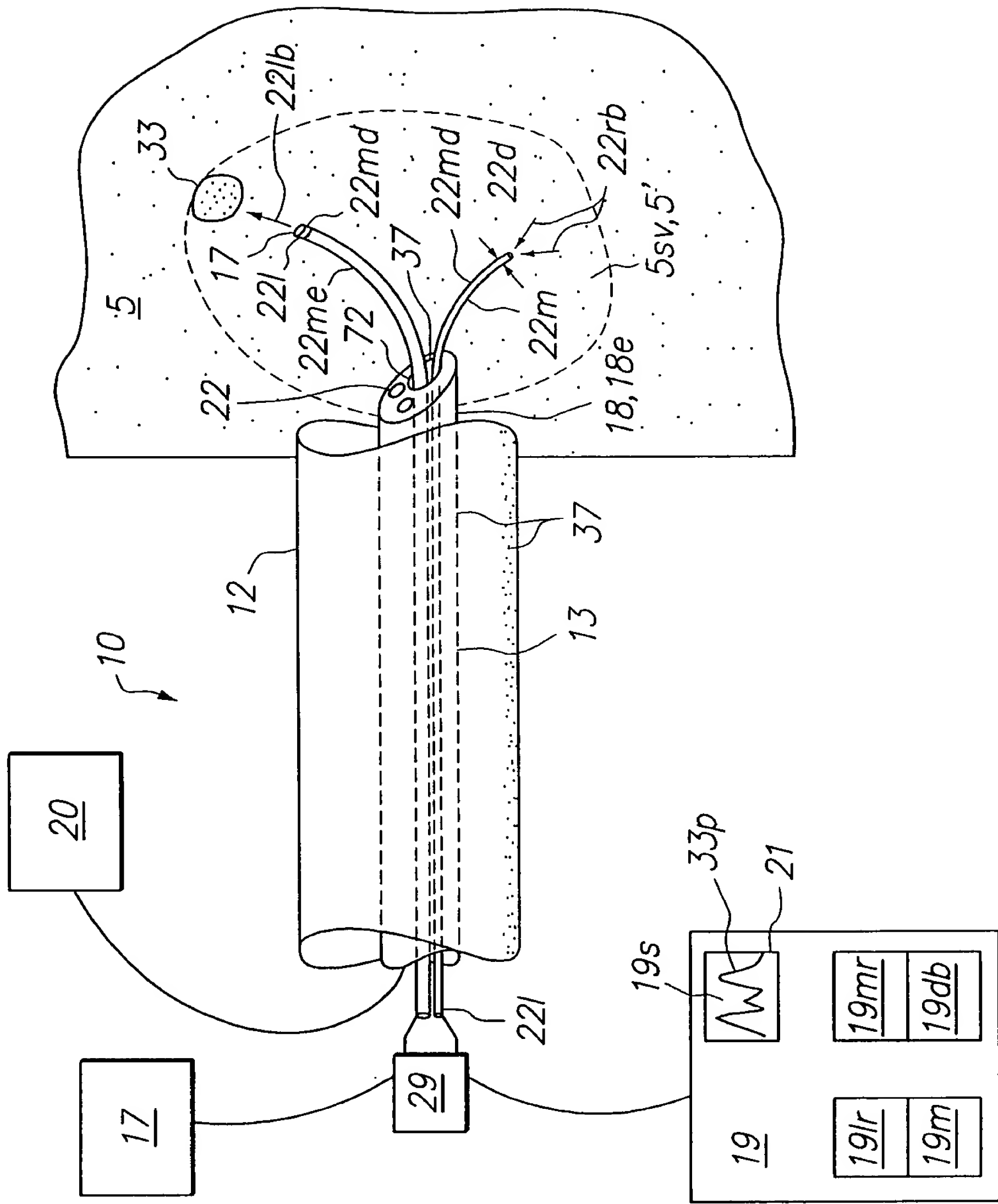


FIG. 5

5/23

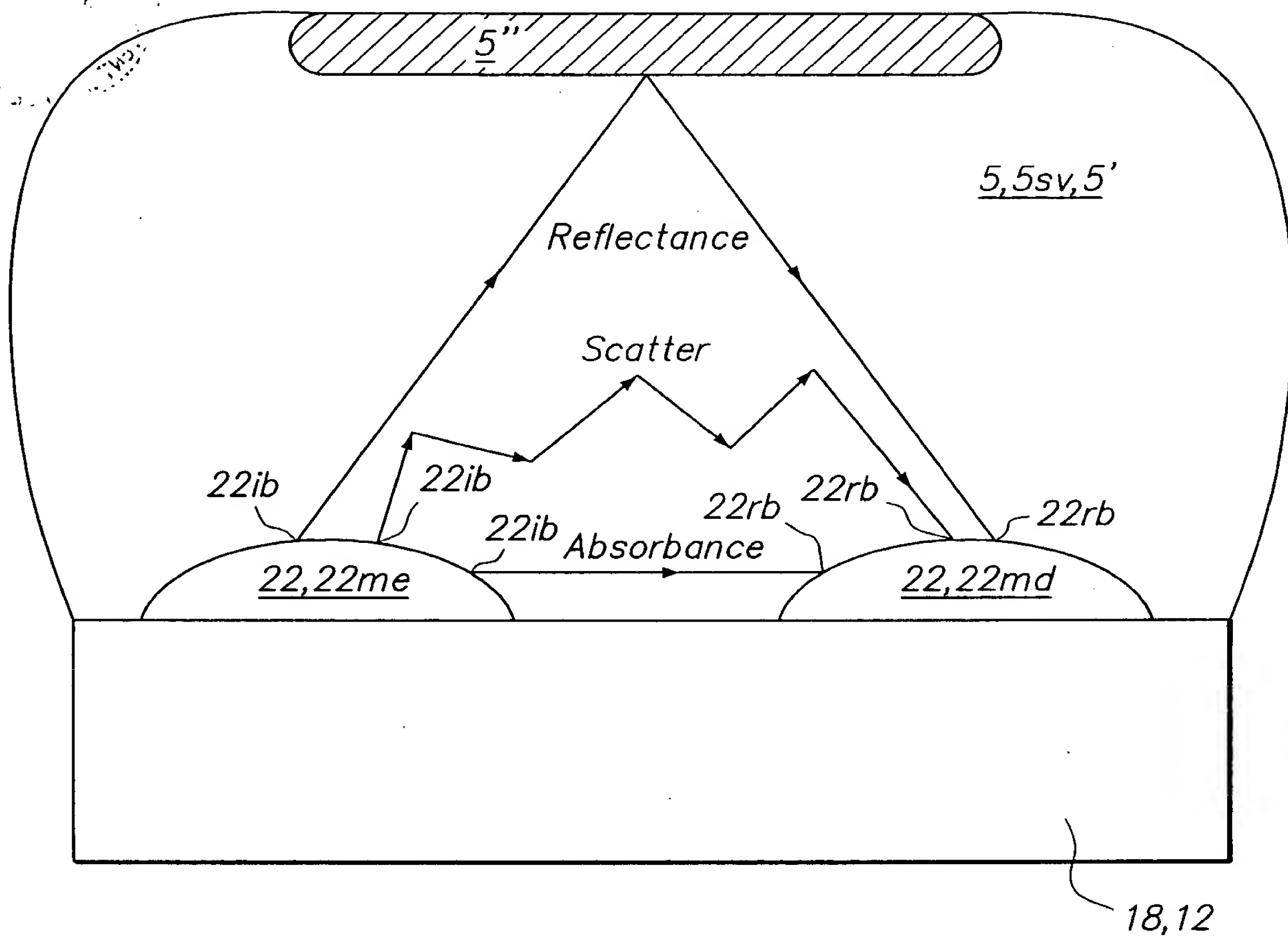
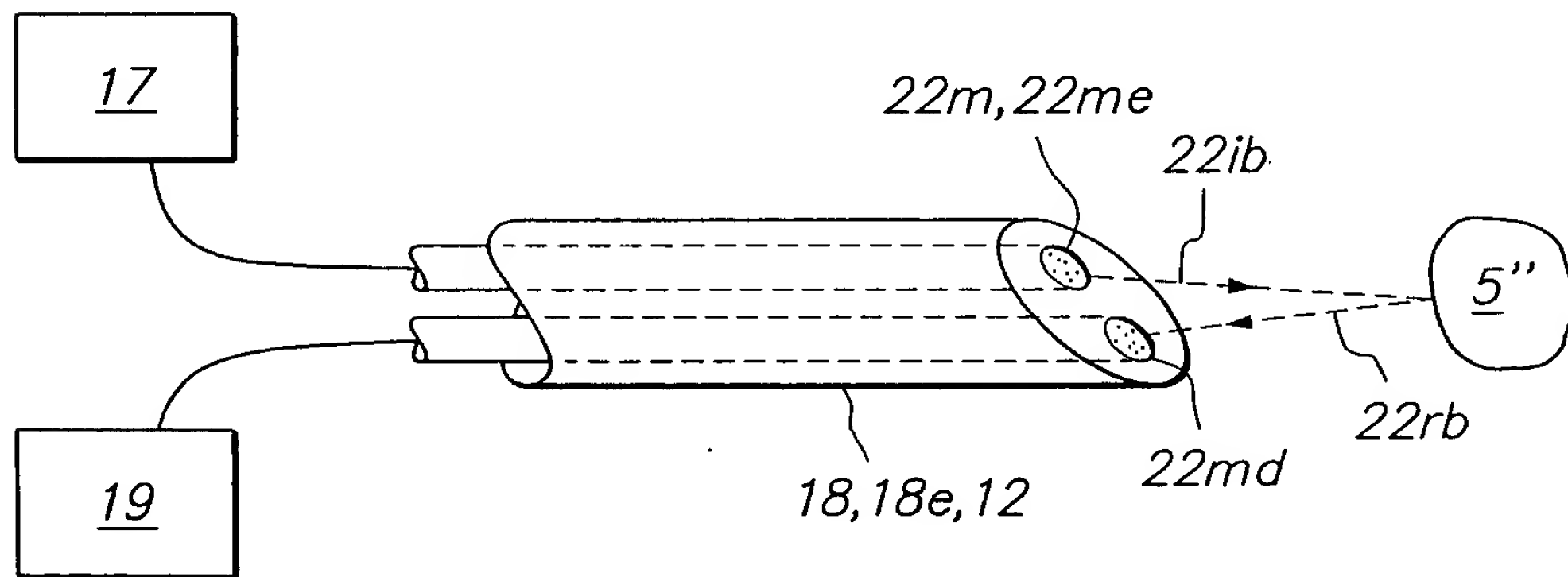


FIG. 6



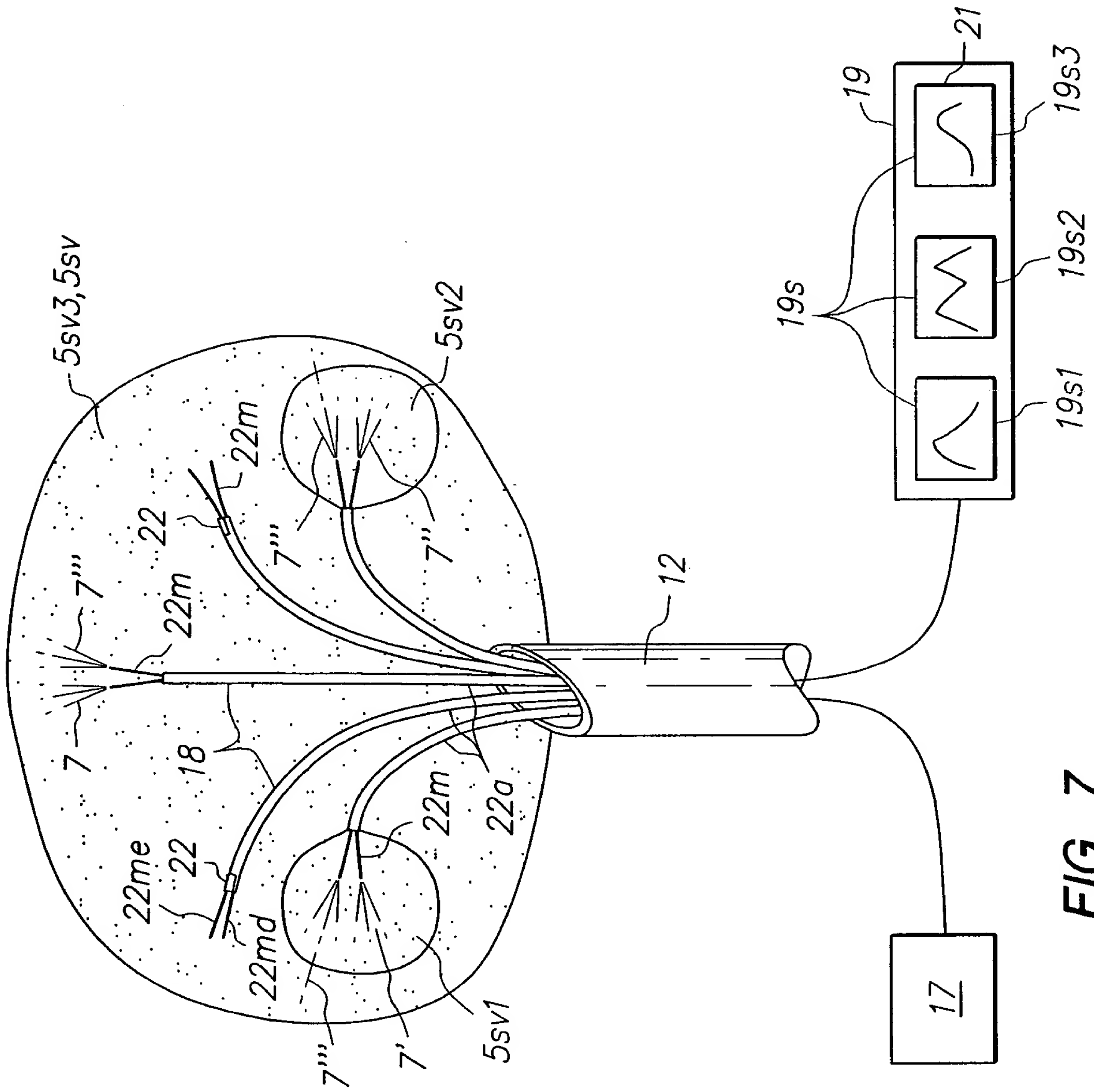


FIG. 7

FIG. 8A

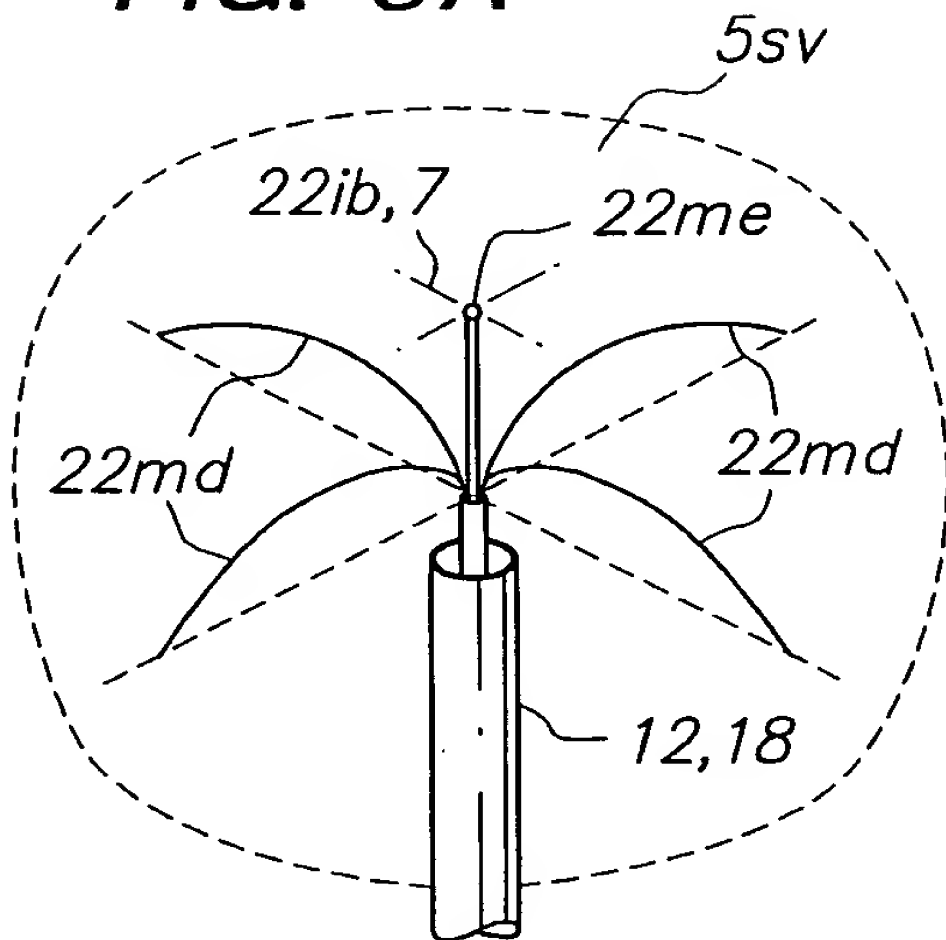


FIG. 8B

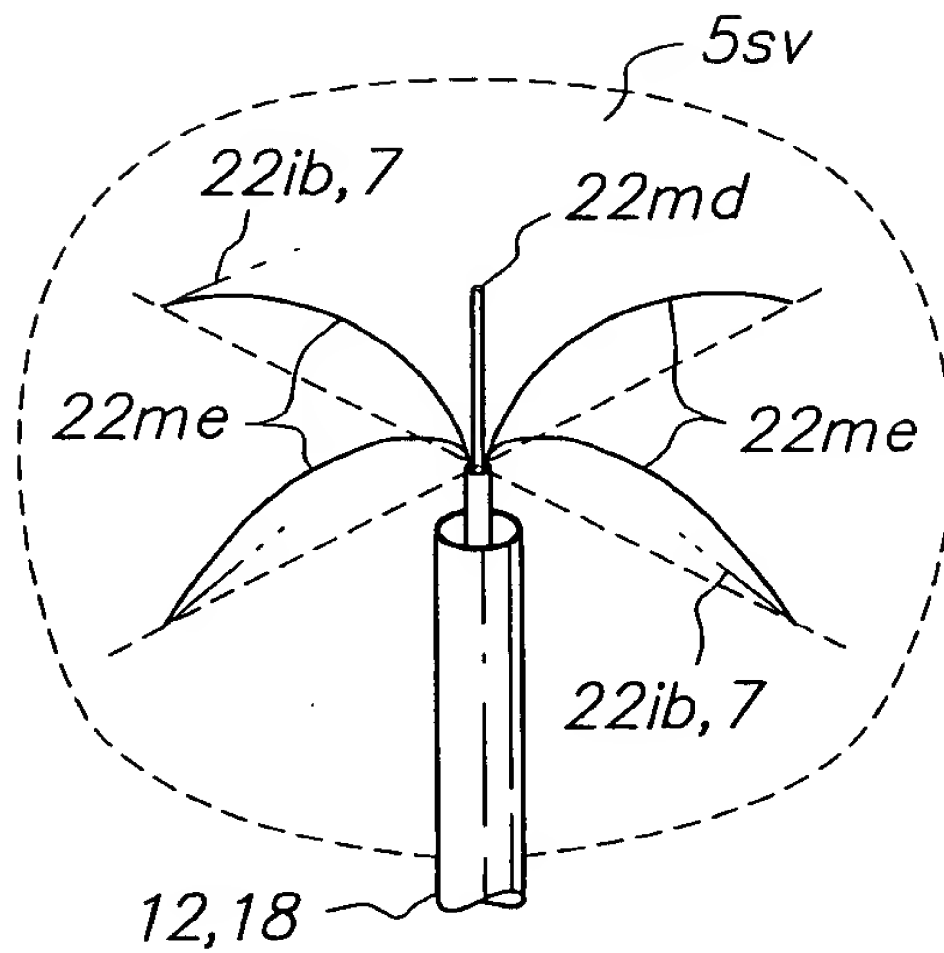


FIG. 8C

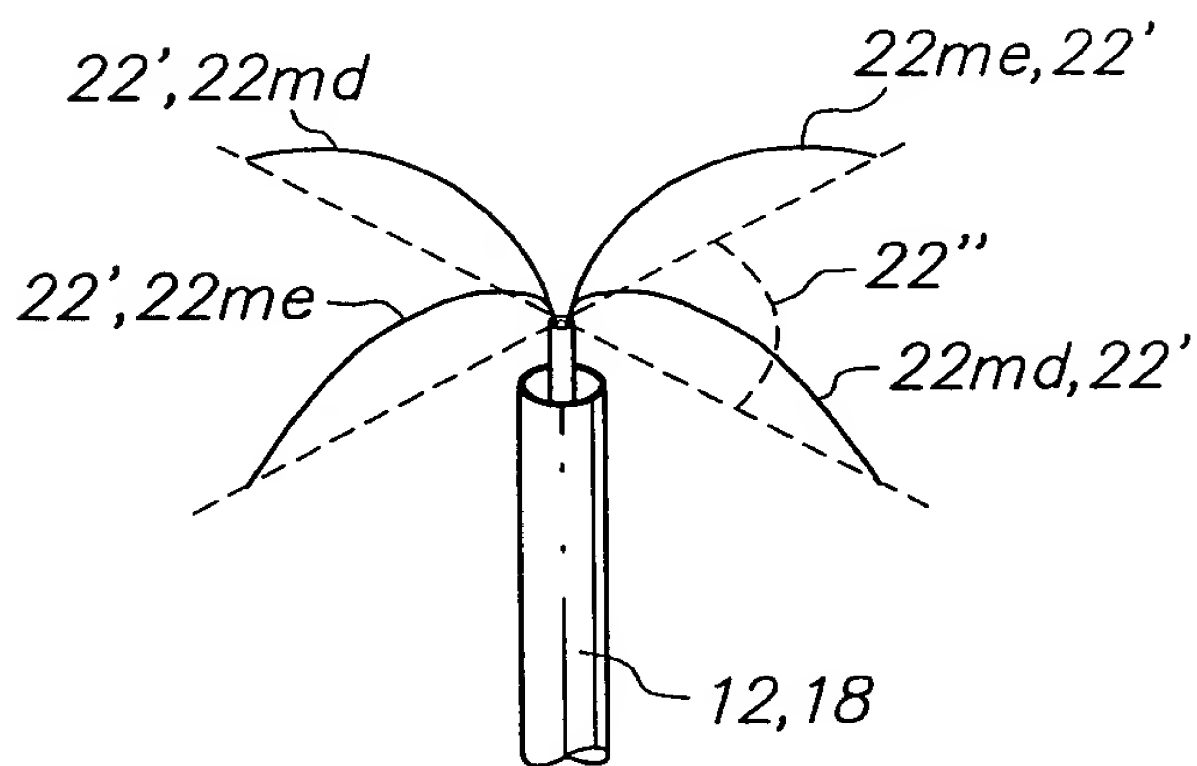
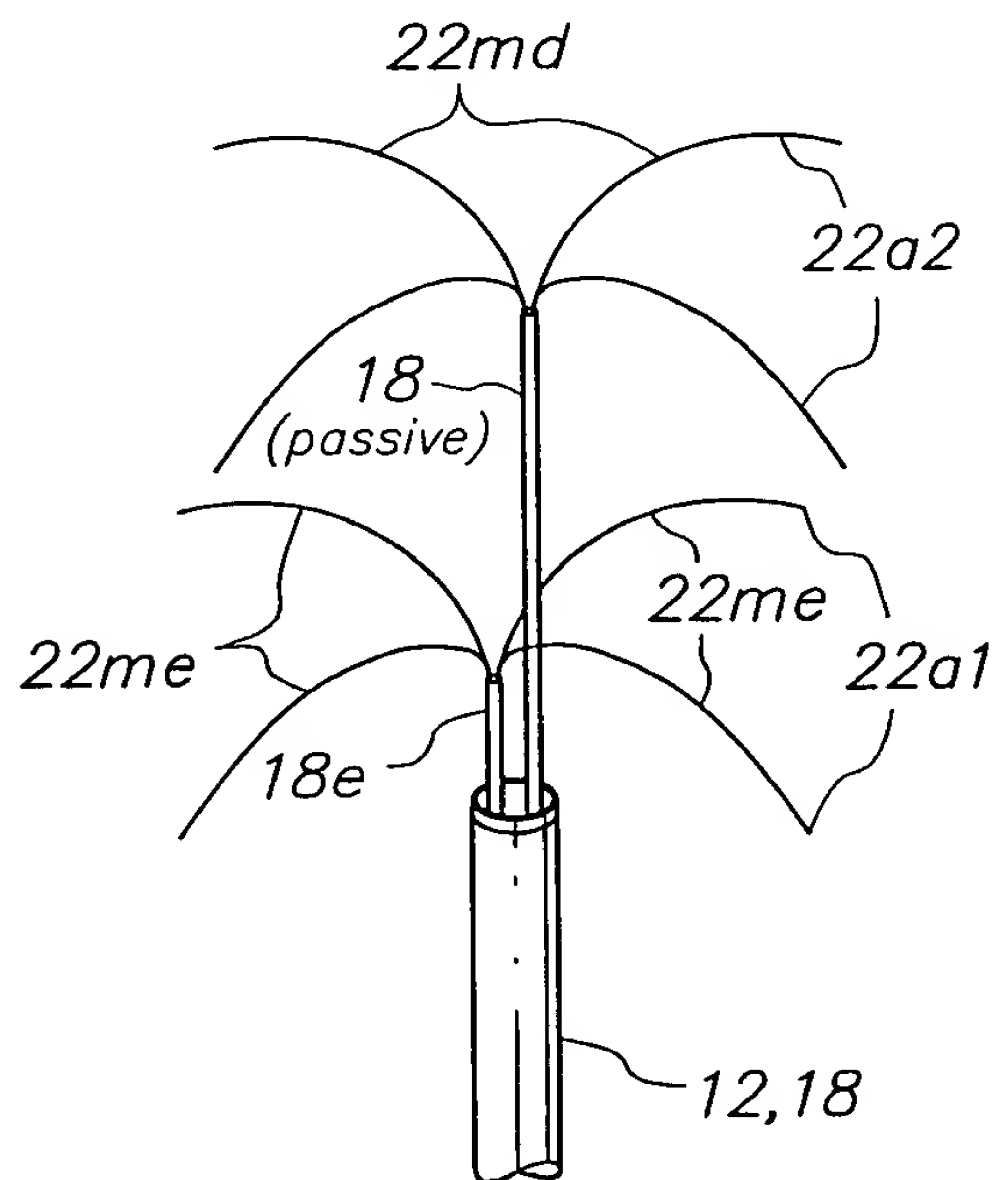


FIG. 8D



8/23

FIG. 9

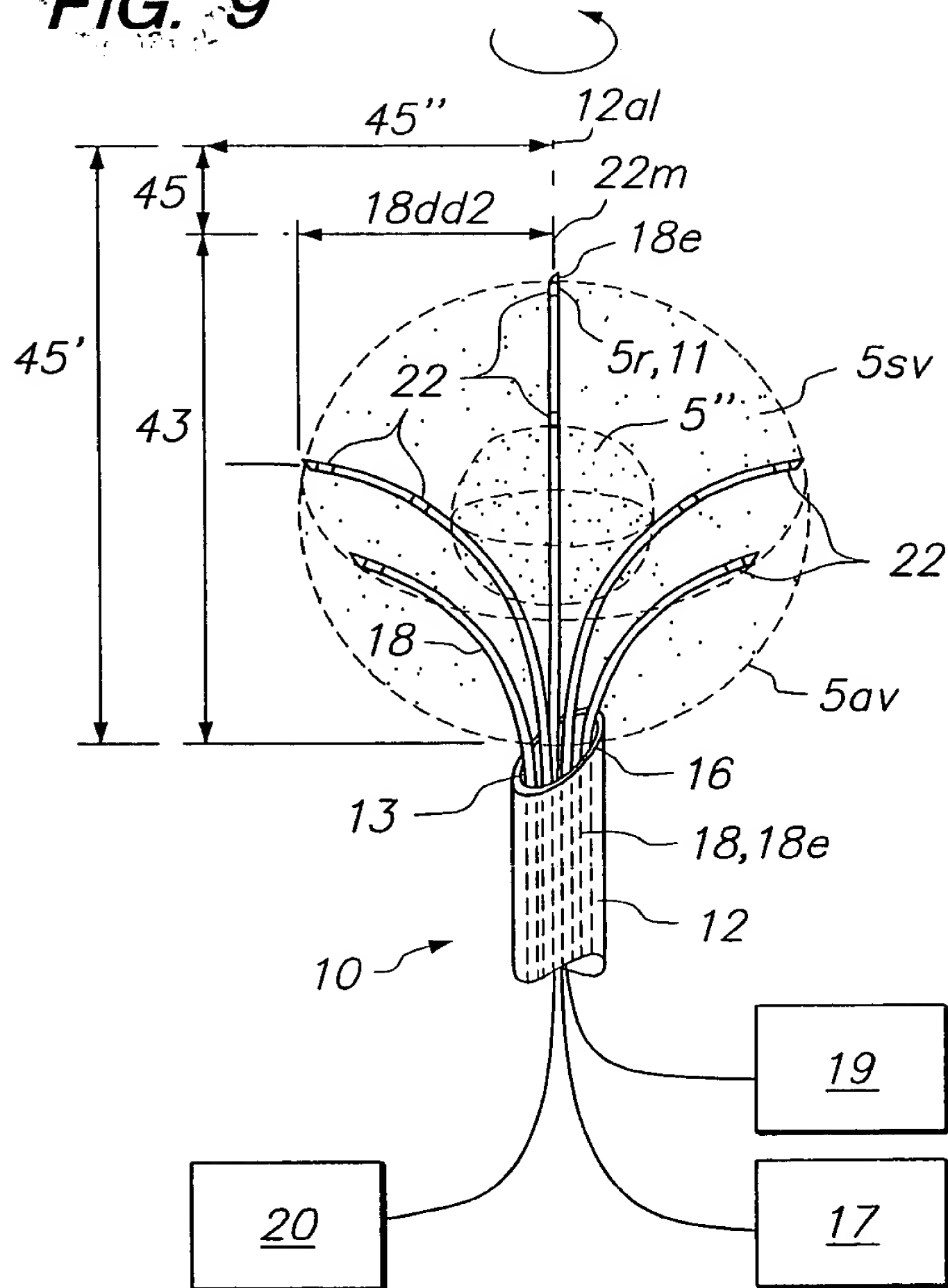


FIG. 10

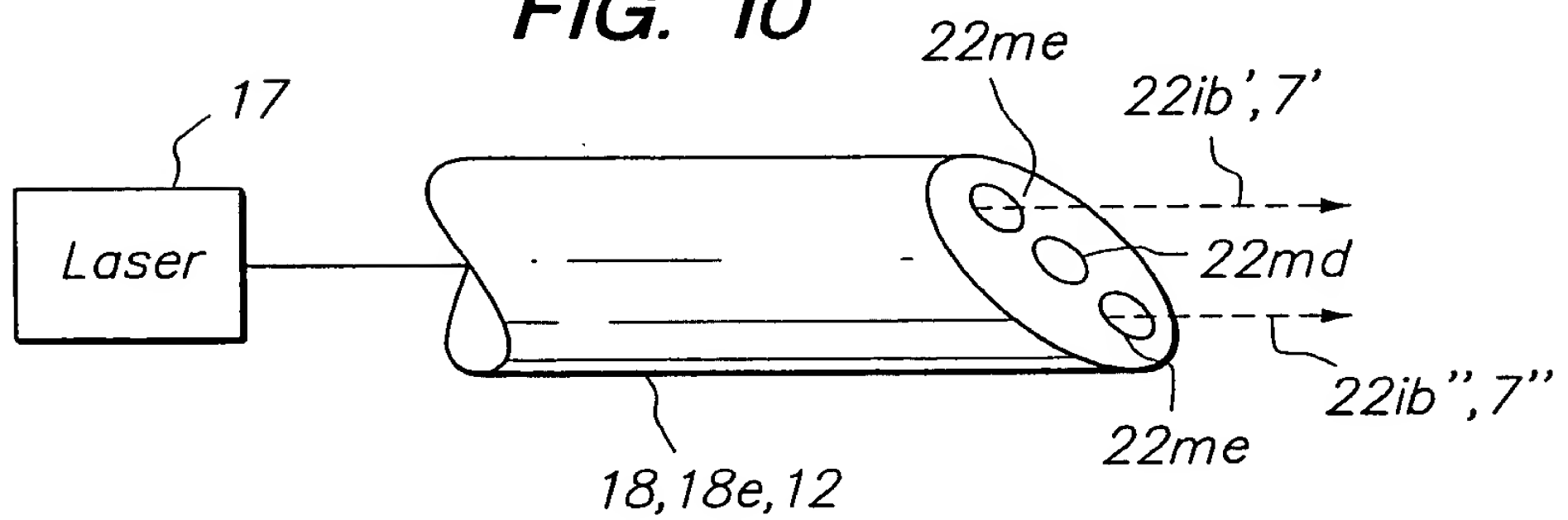
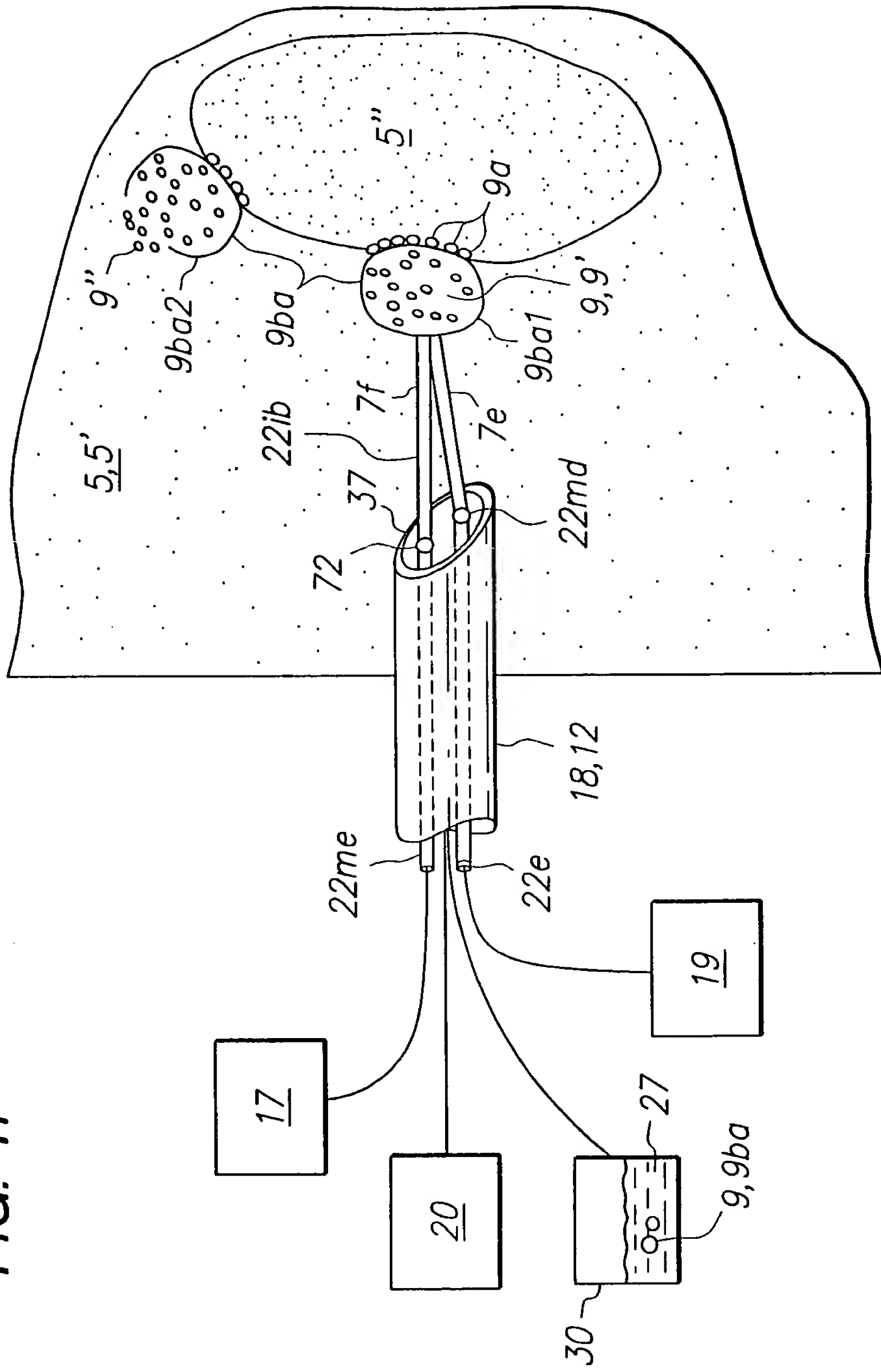


FIG. 11



10/23

FIG. 12

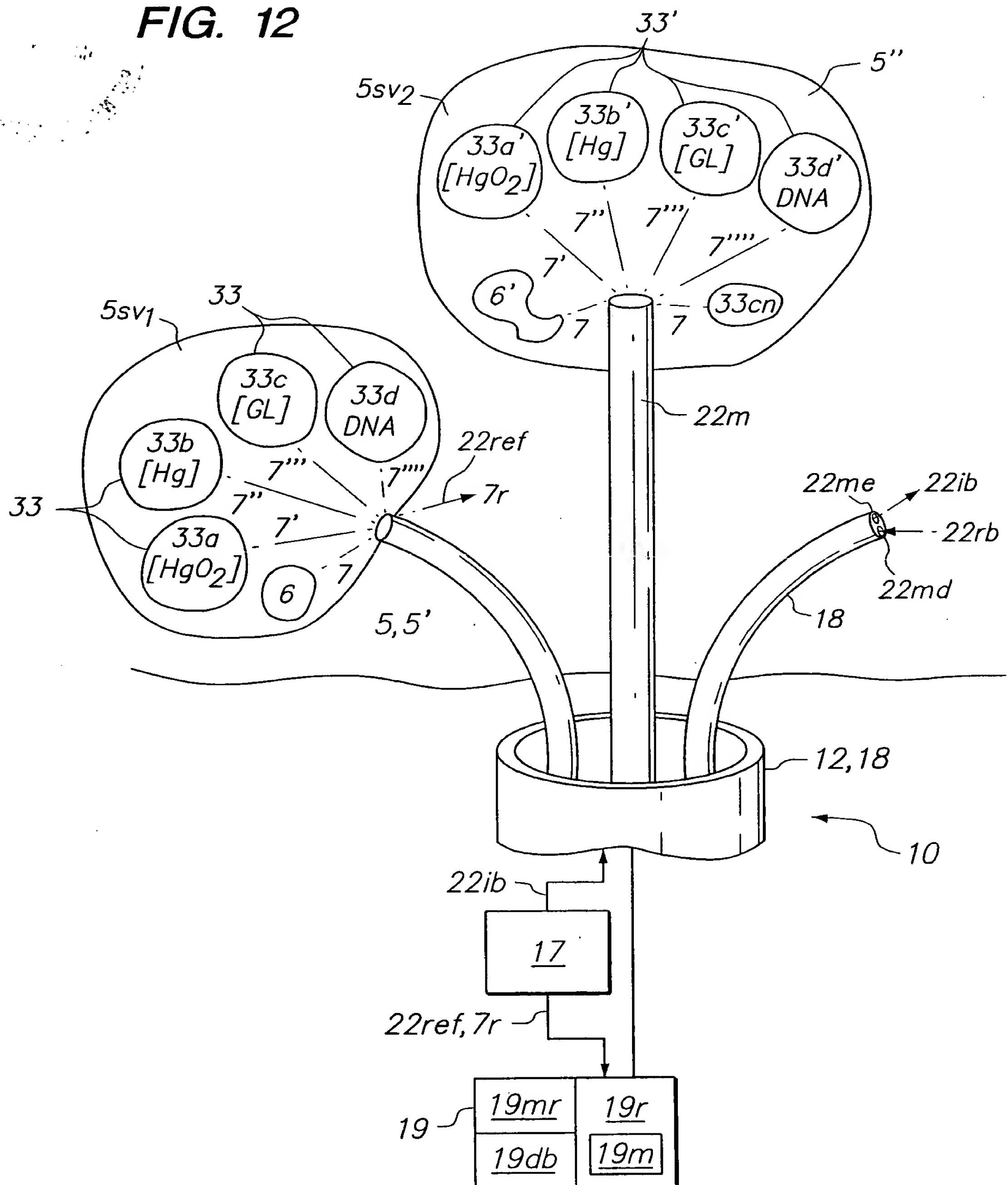
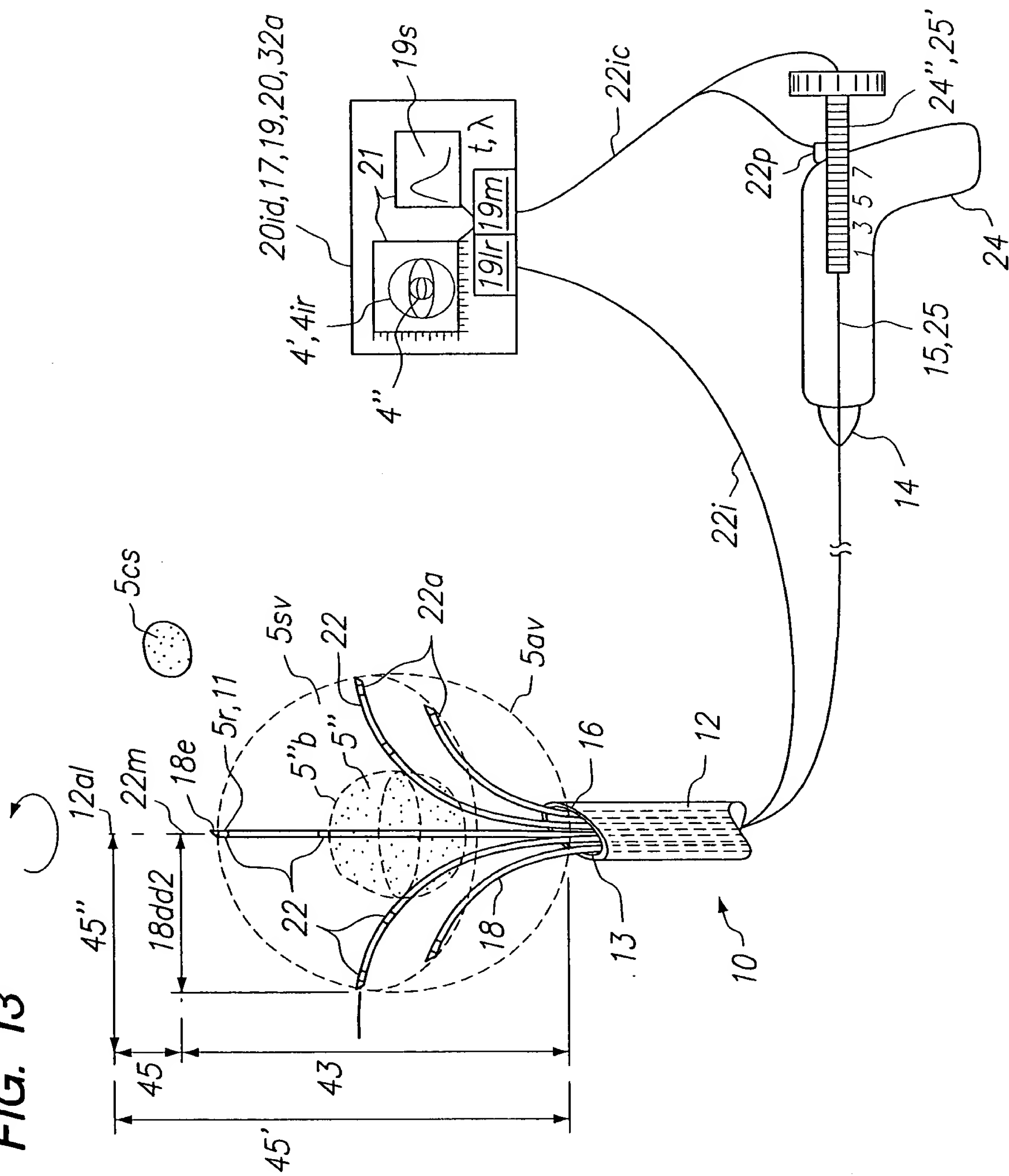


FIG. 13



12/23

FIG. 14A

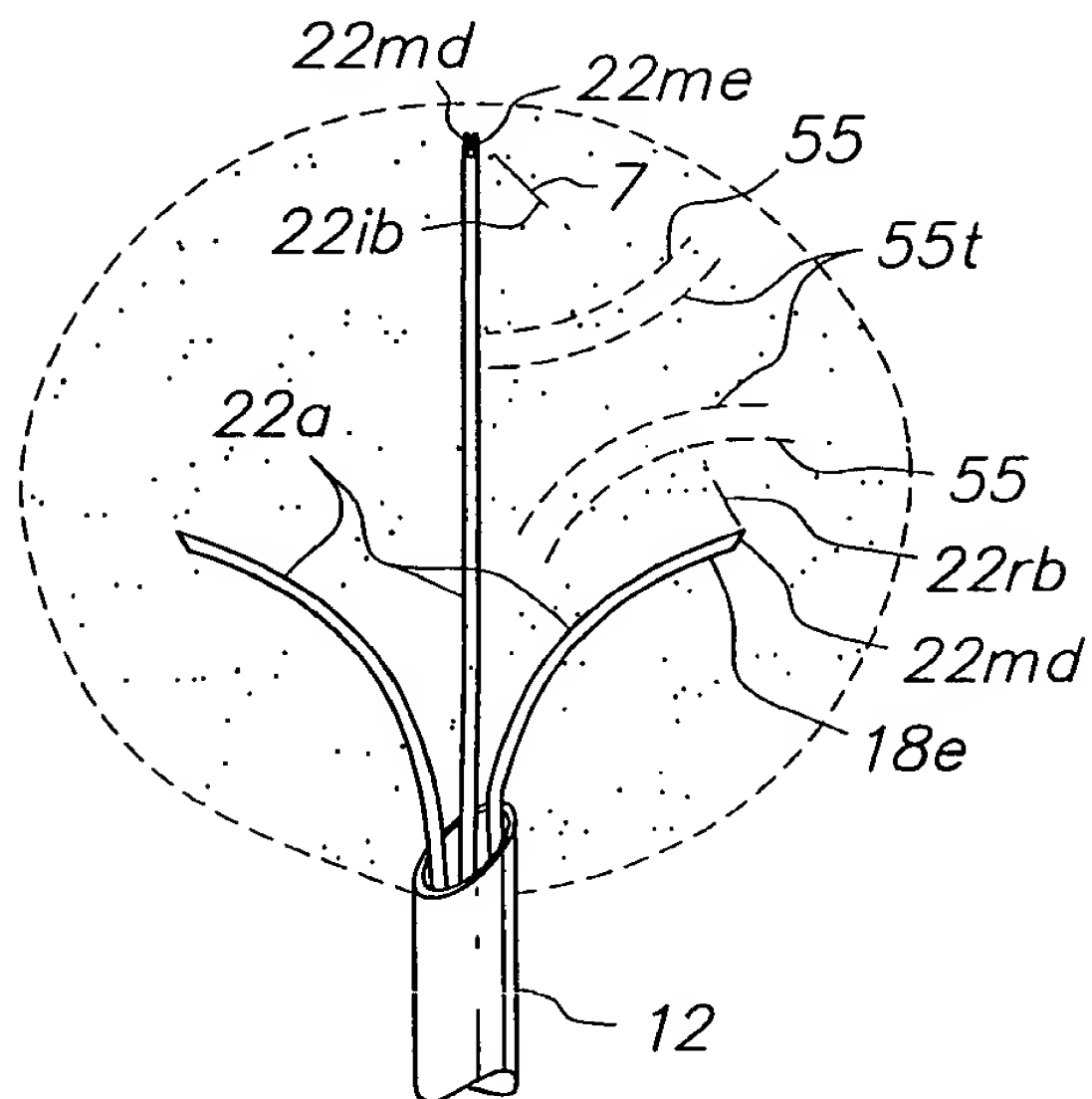


FIG. 14B

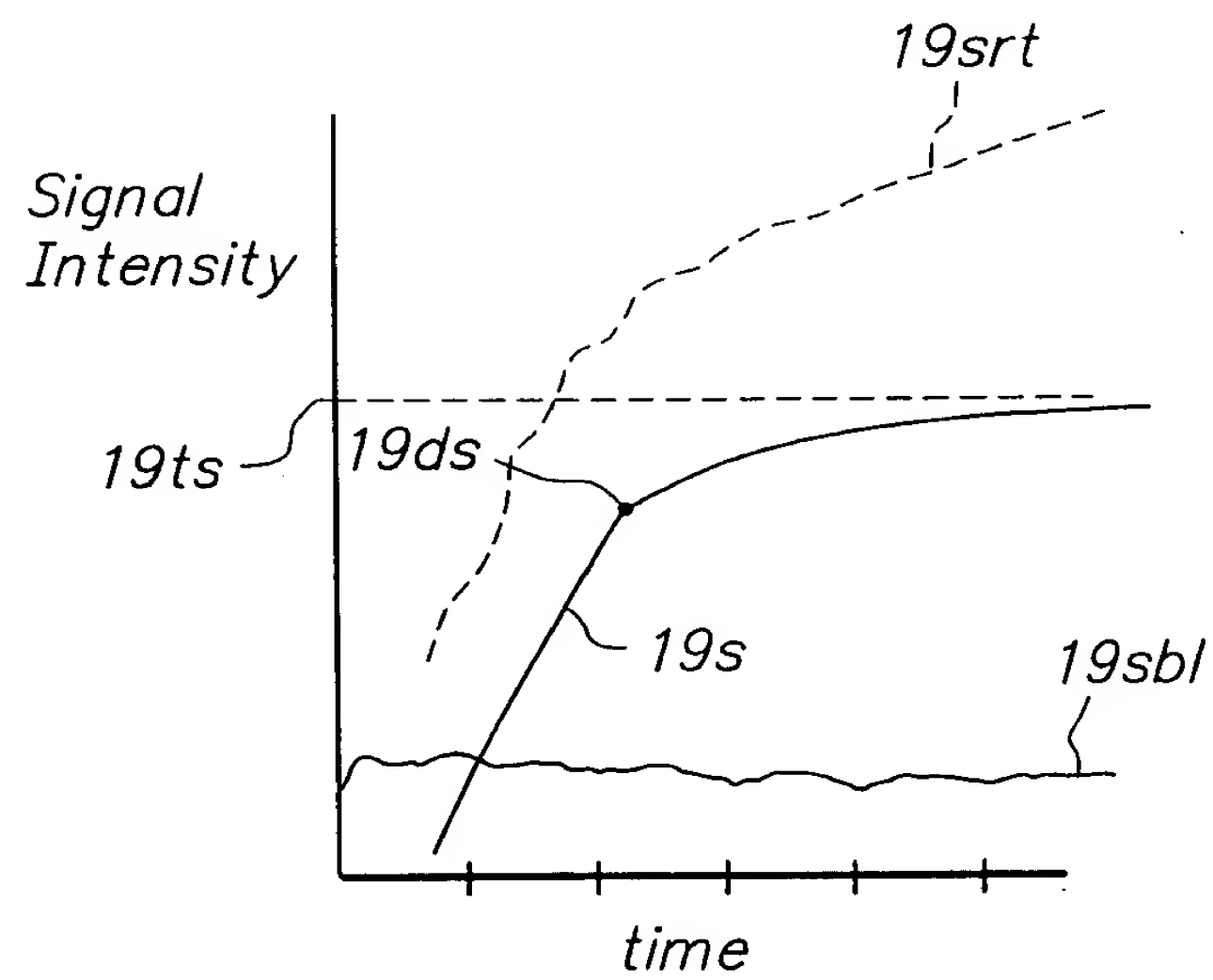


FIG. 15

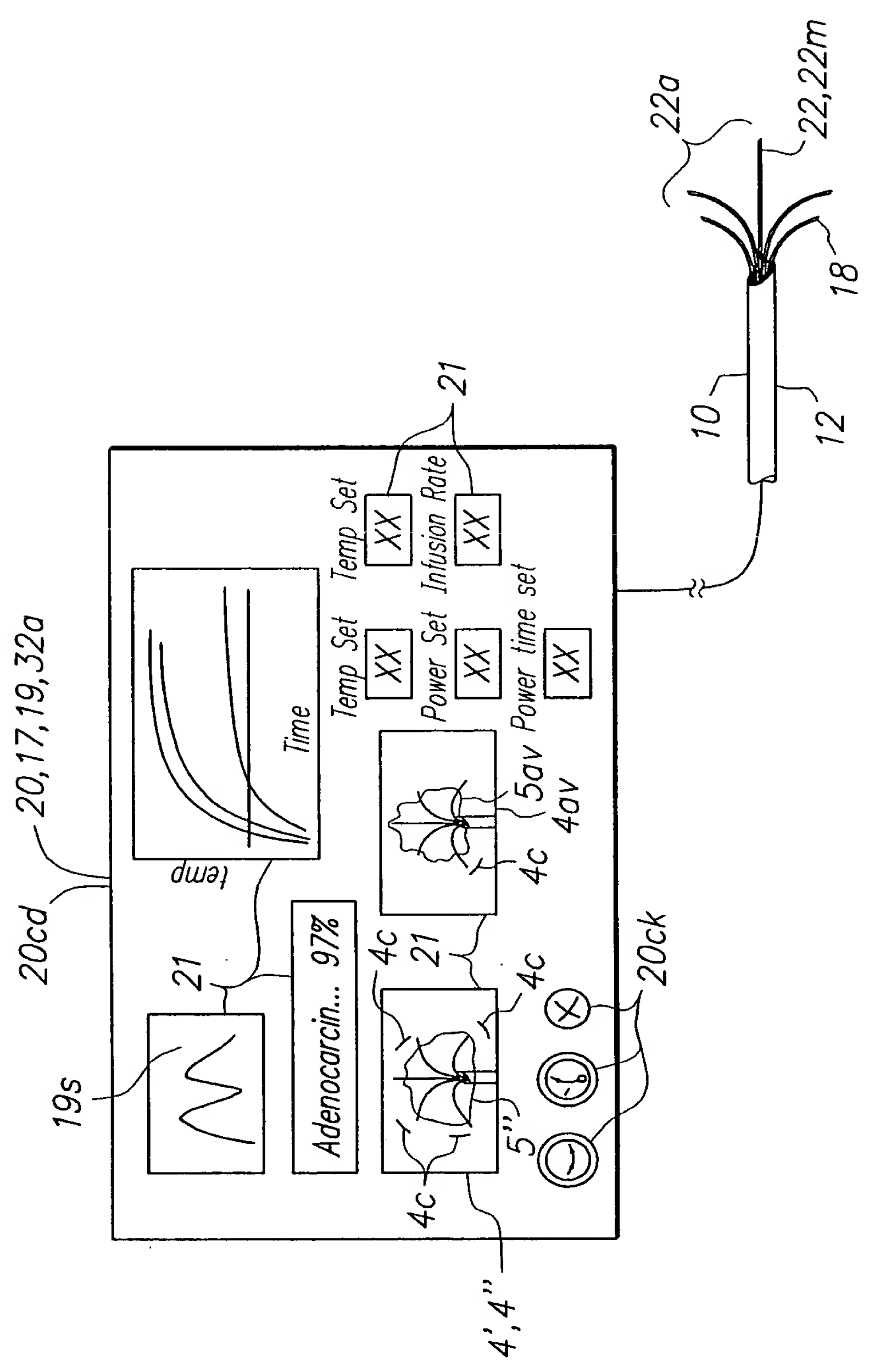


FIG. 16A

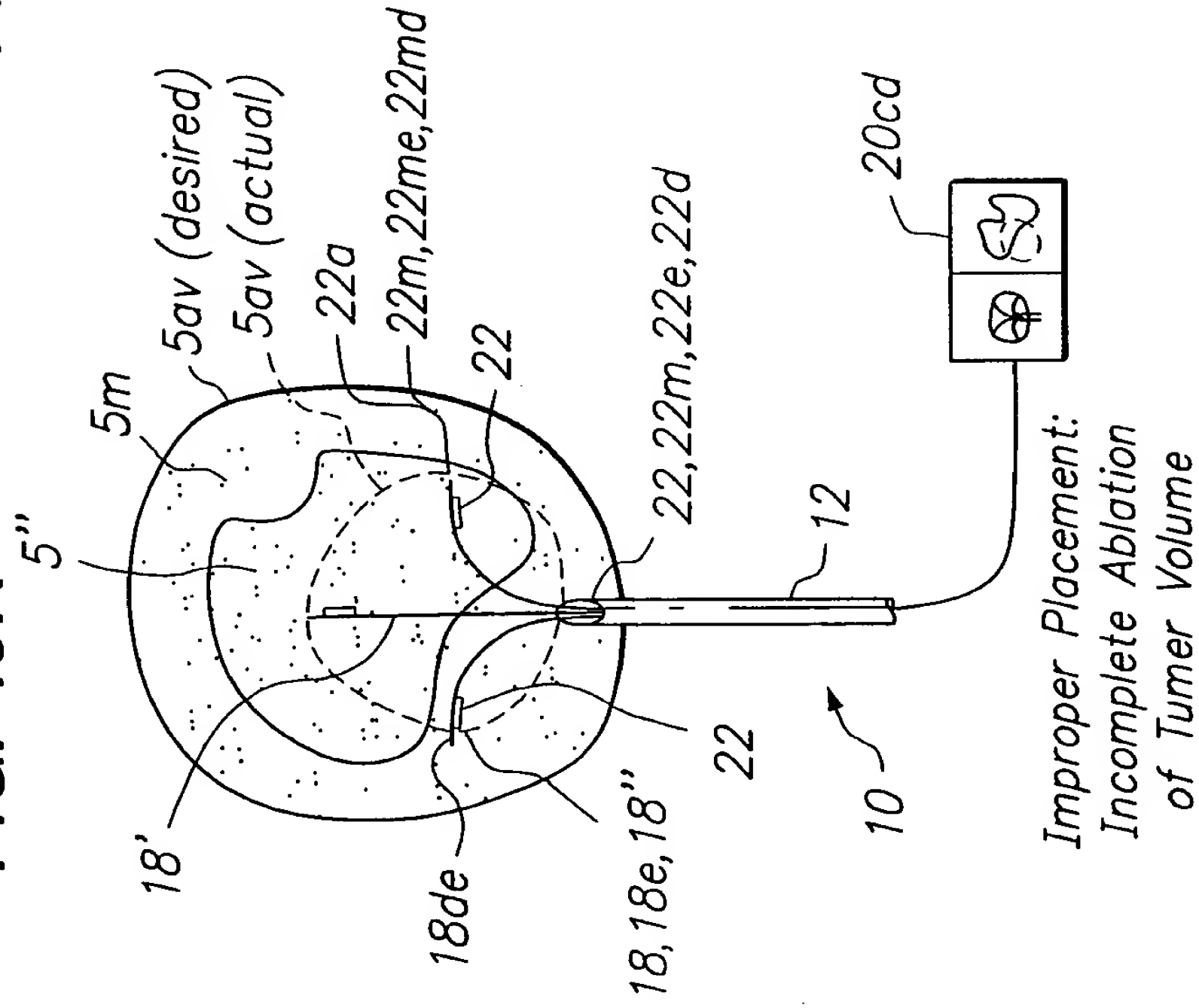


FIG. 16B

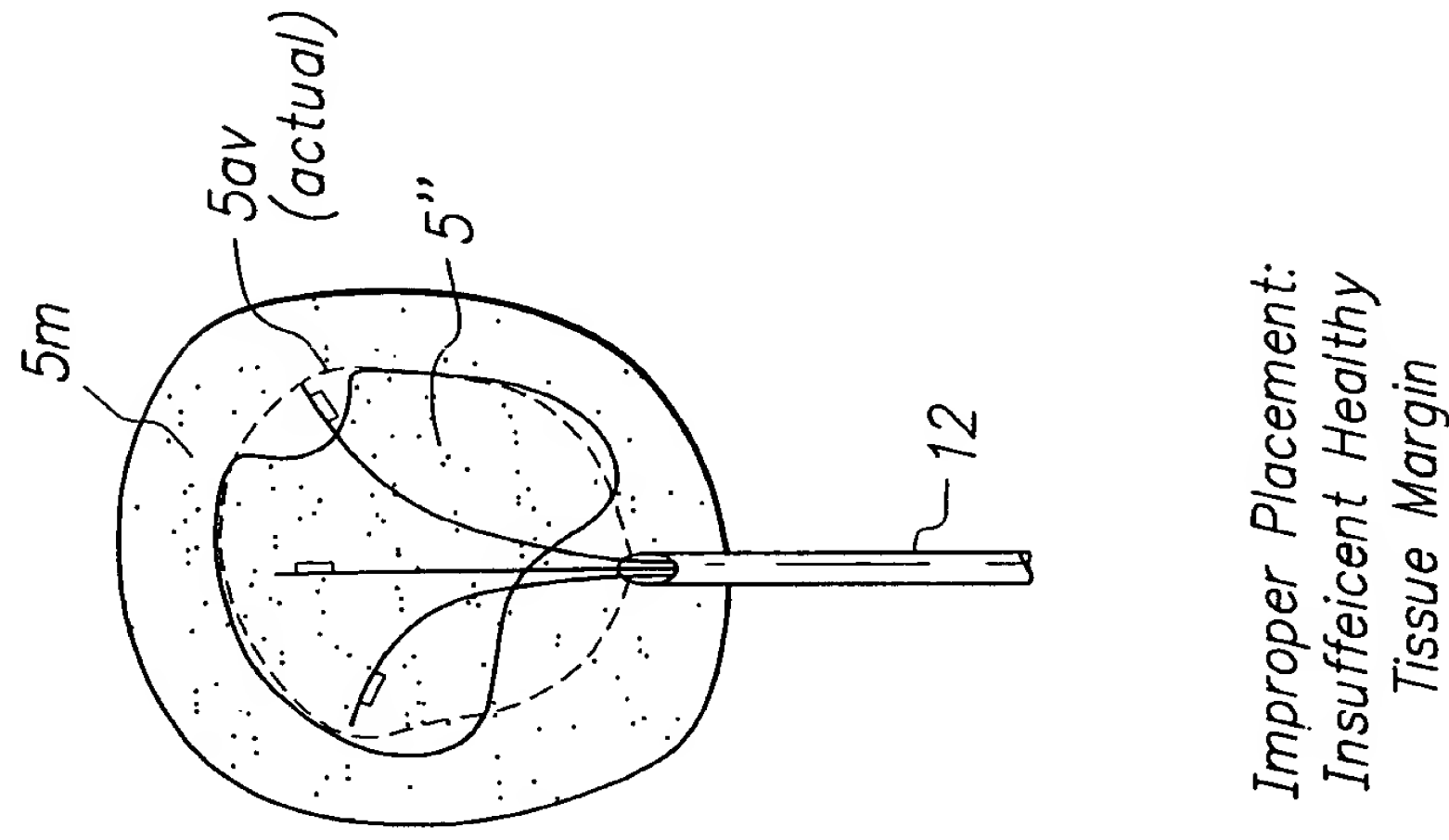


FIG. 16C

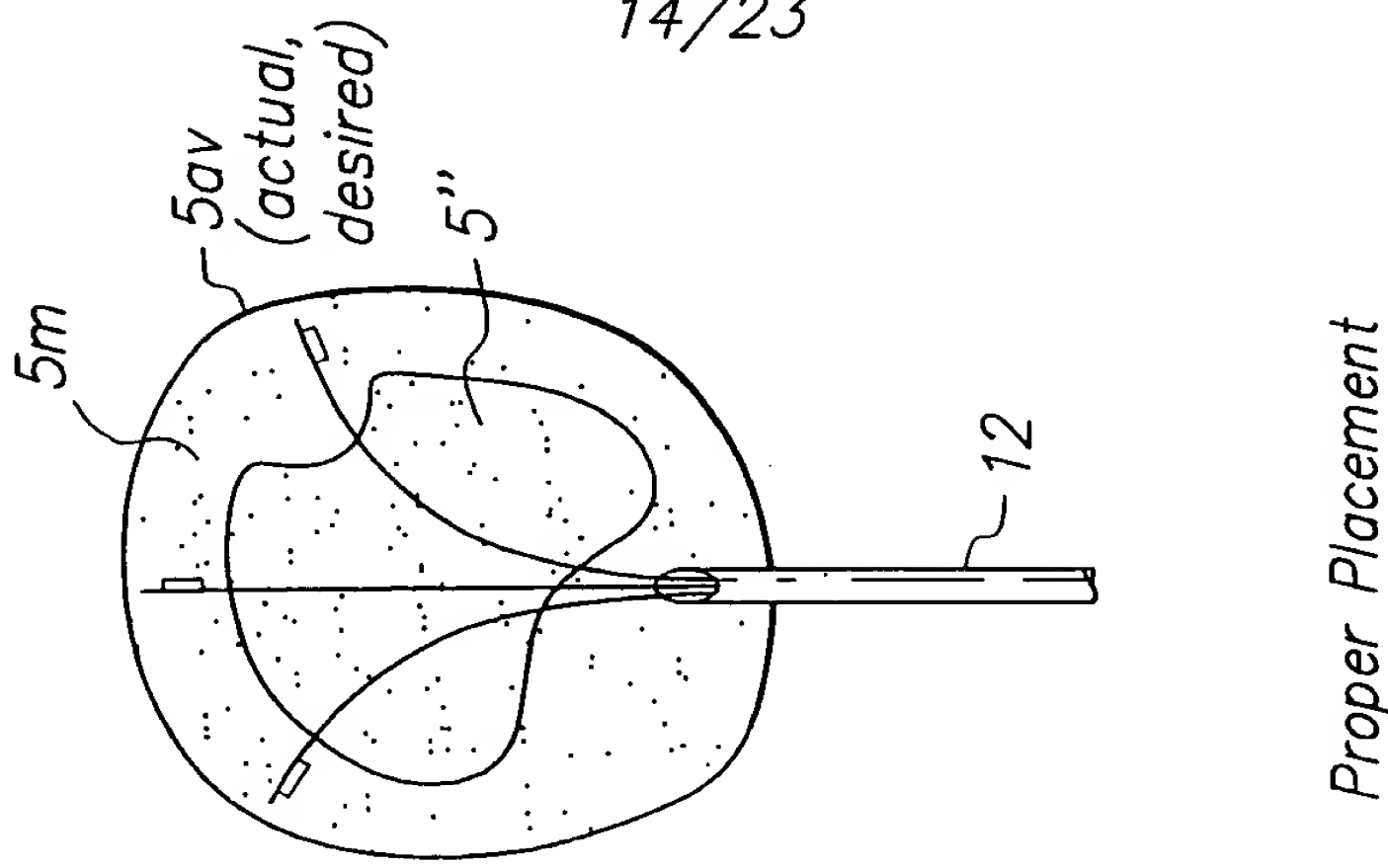
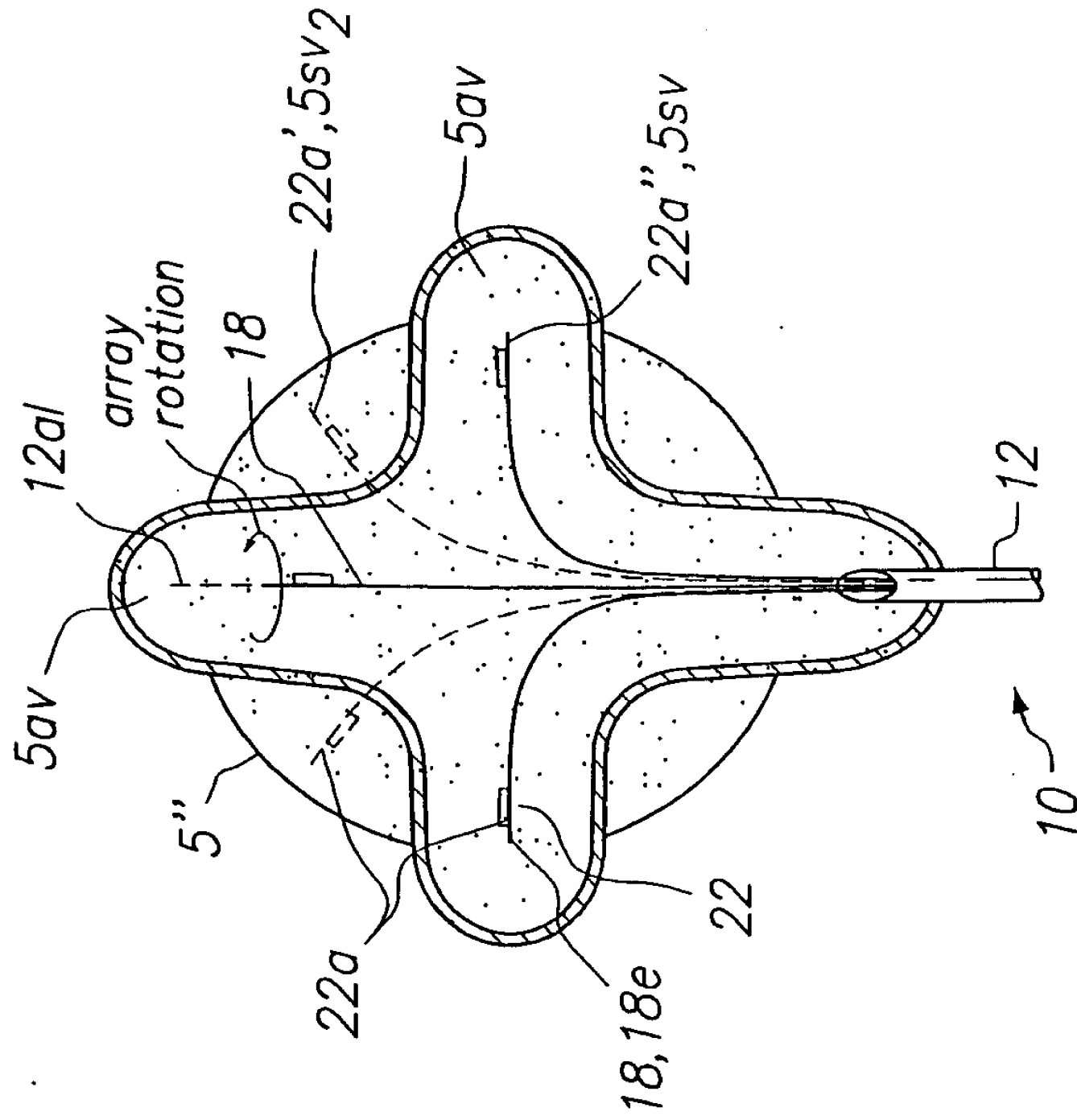
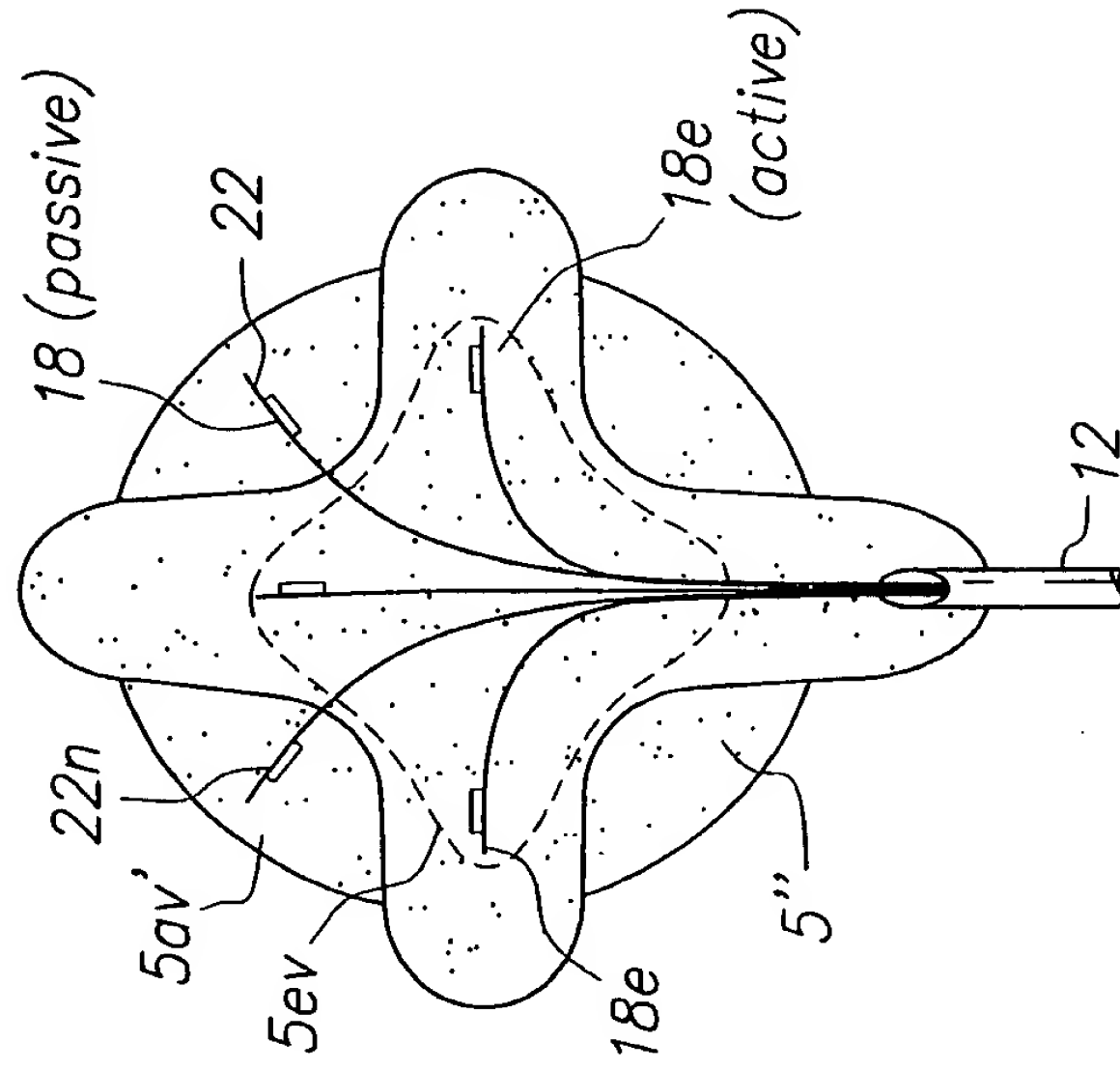


FIG. 17A



Detection of Incomplete Ablation
via rotation of electrode/sensor array

FIG. 17B



Detection of Incomplete Ablation
Deployment of passive Resilient Members 18
of Sensing Members 22m

FIG. 18A

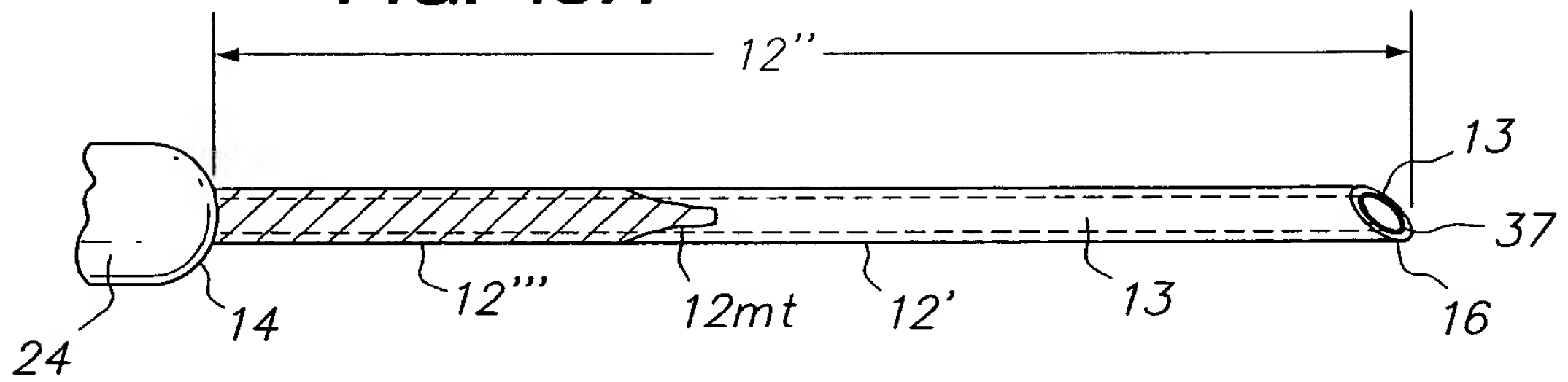


FIG. 18B

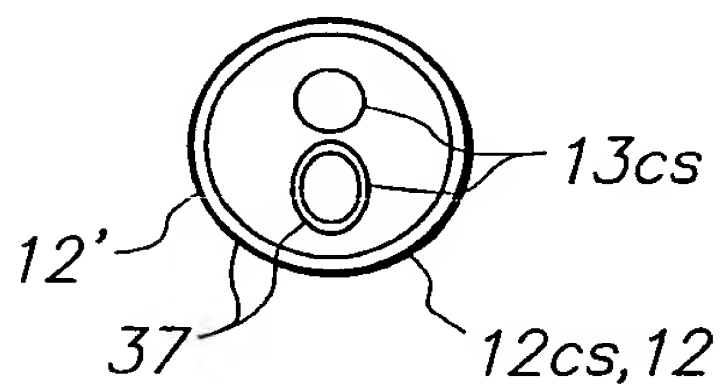


FIG. 18C

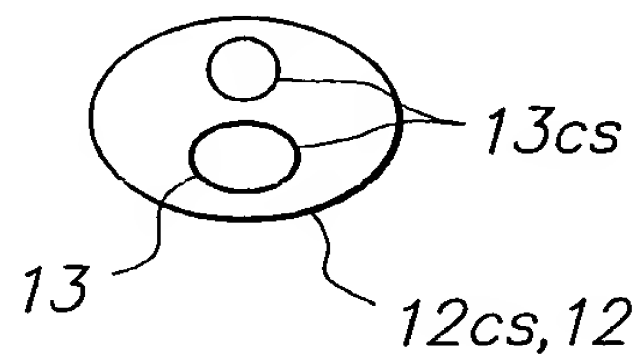
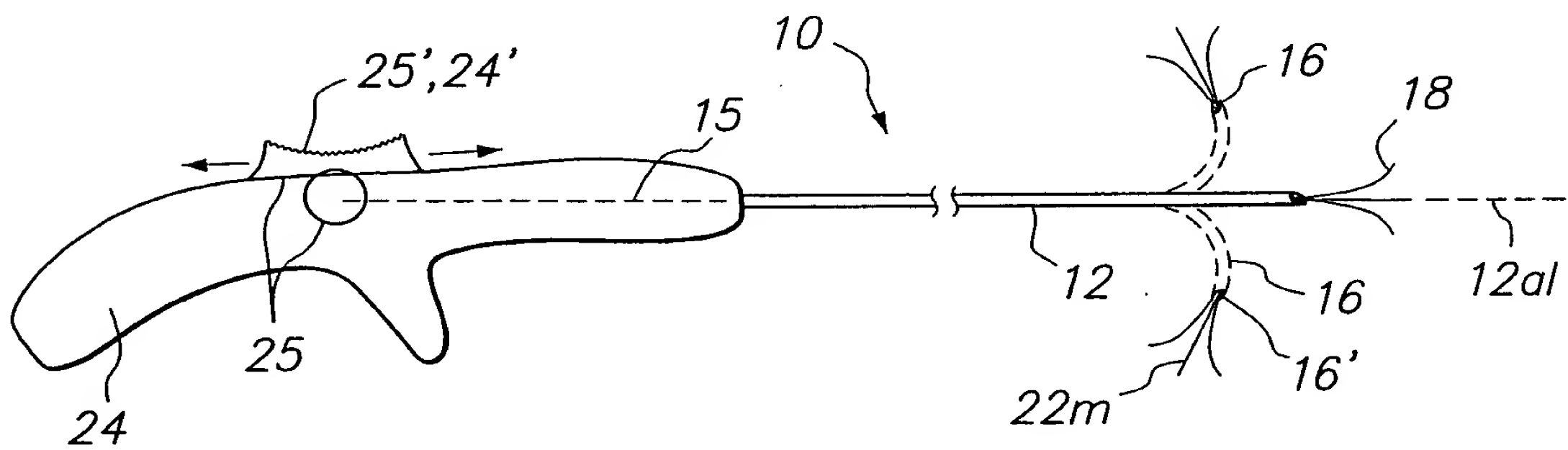
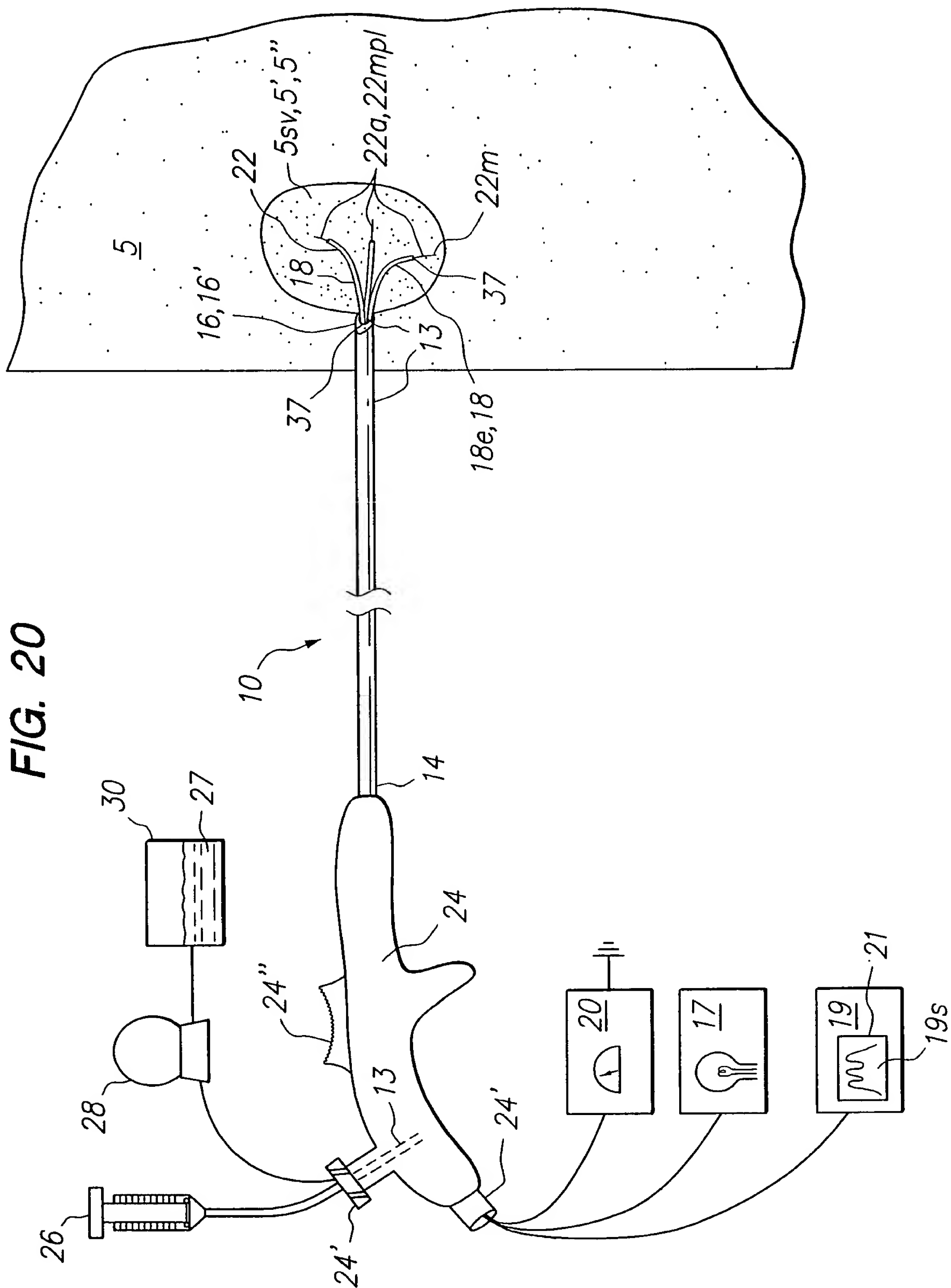


FIG. 19





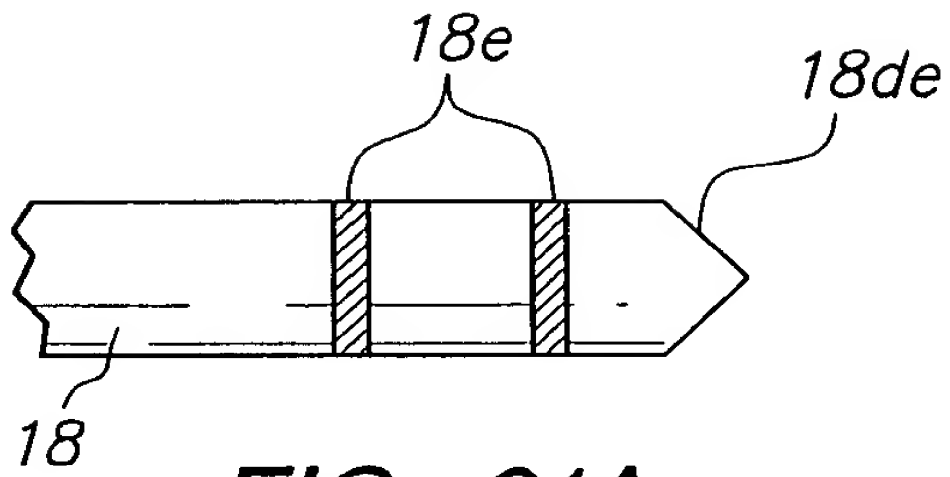


FIG. 21A

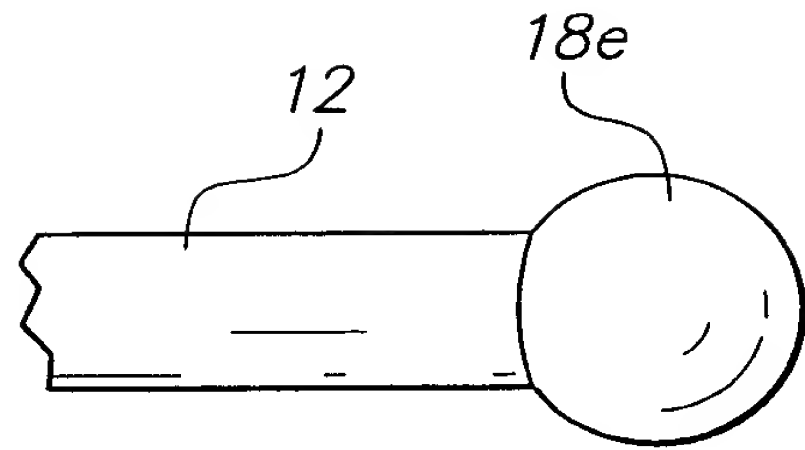


FIG. 21B

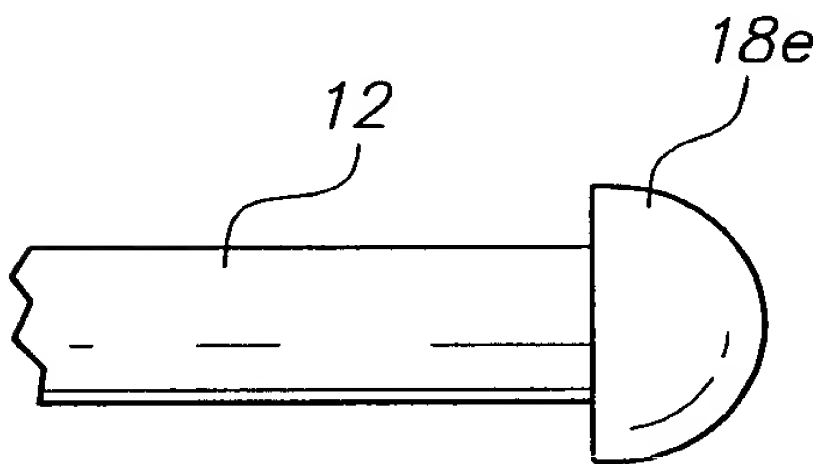


FIG. 21C

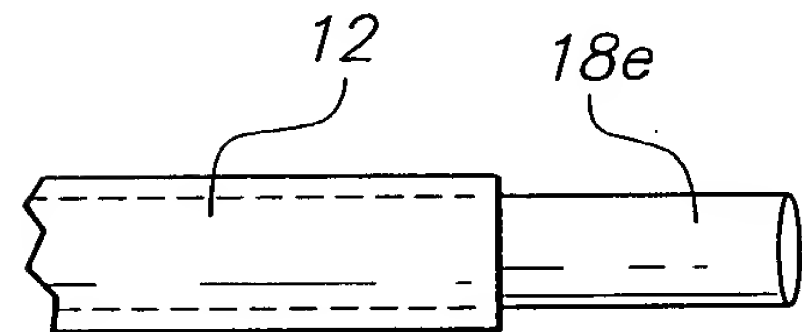


FIG. 21D

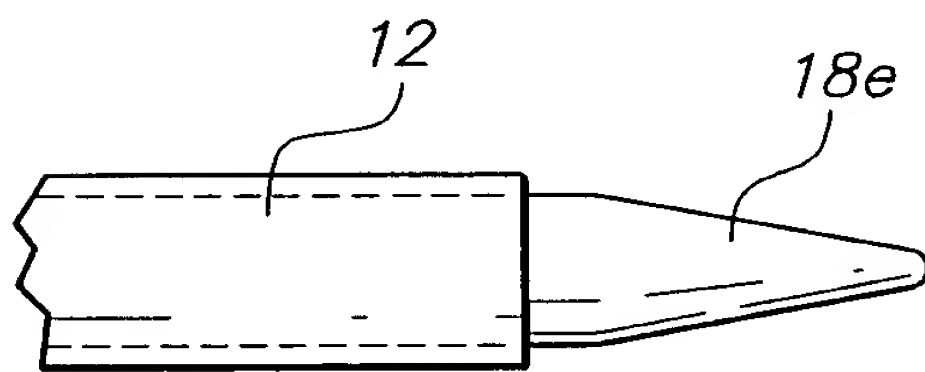


FIG. 21E

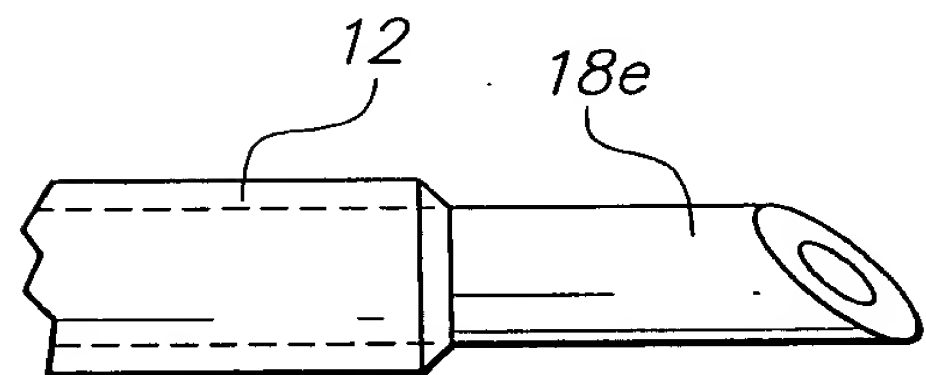


FIG. 21F

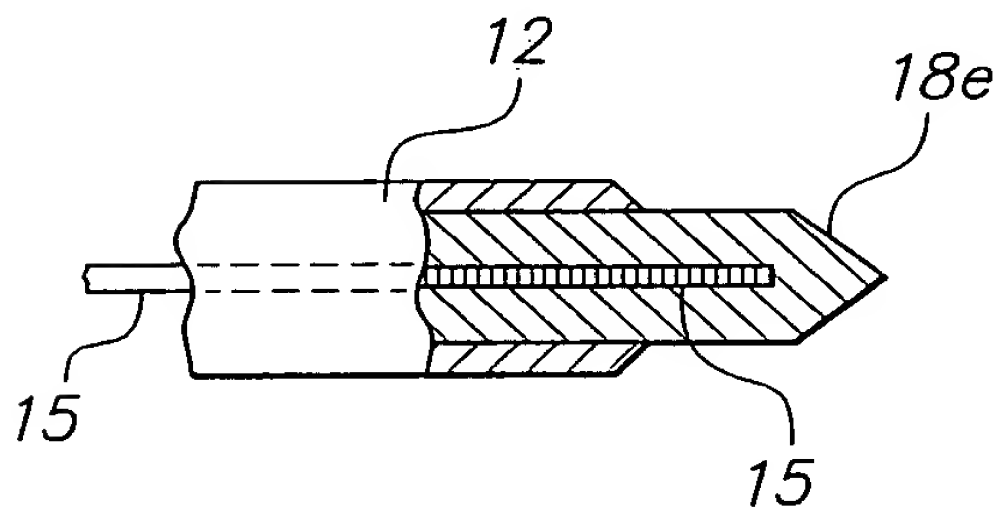


FIG. 21G

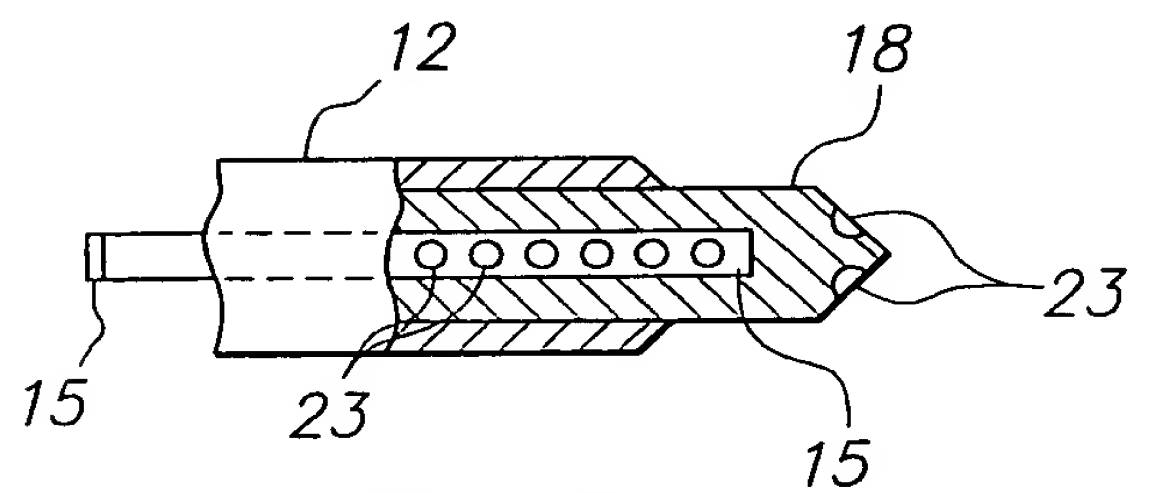


FIG. 21H

19/23

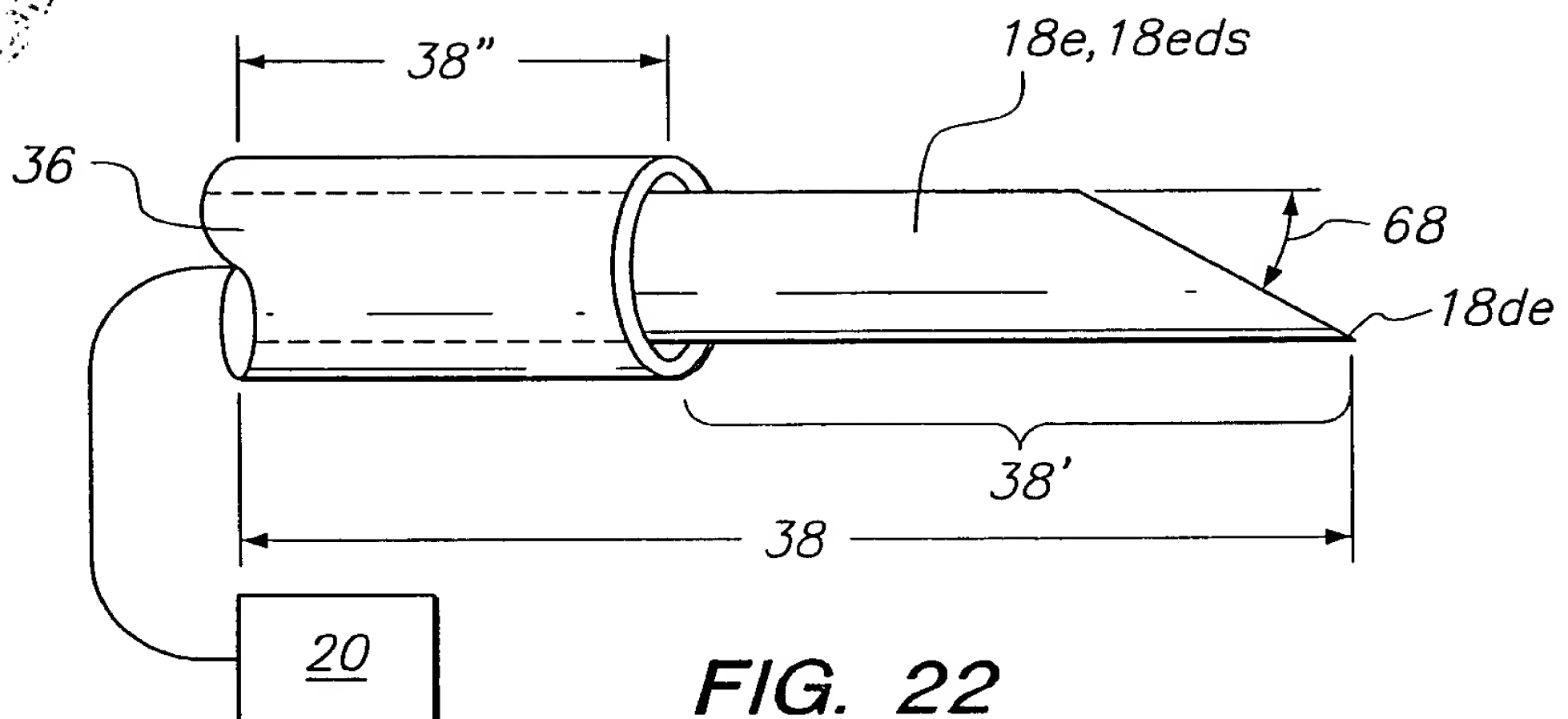


FIG. 22

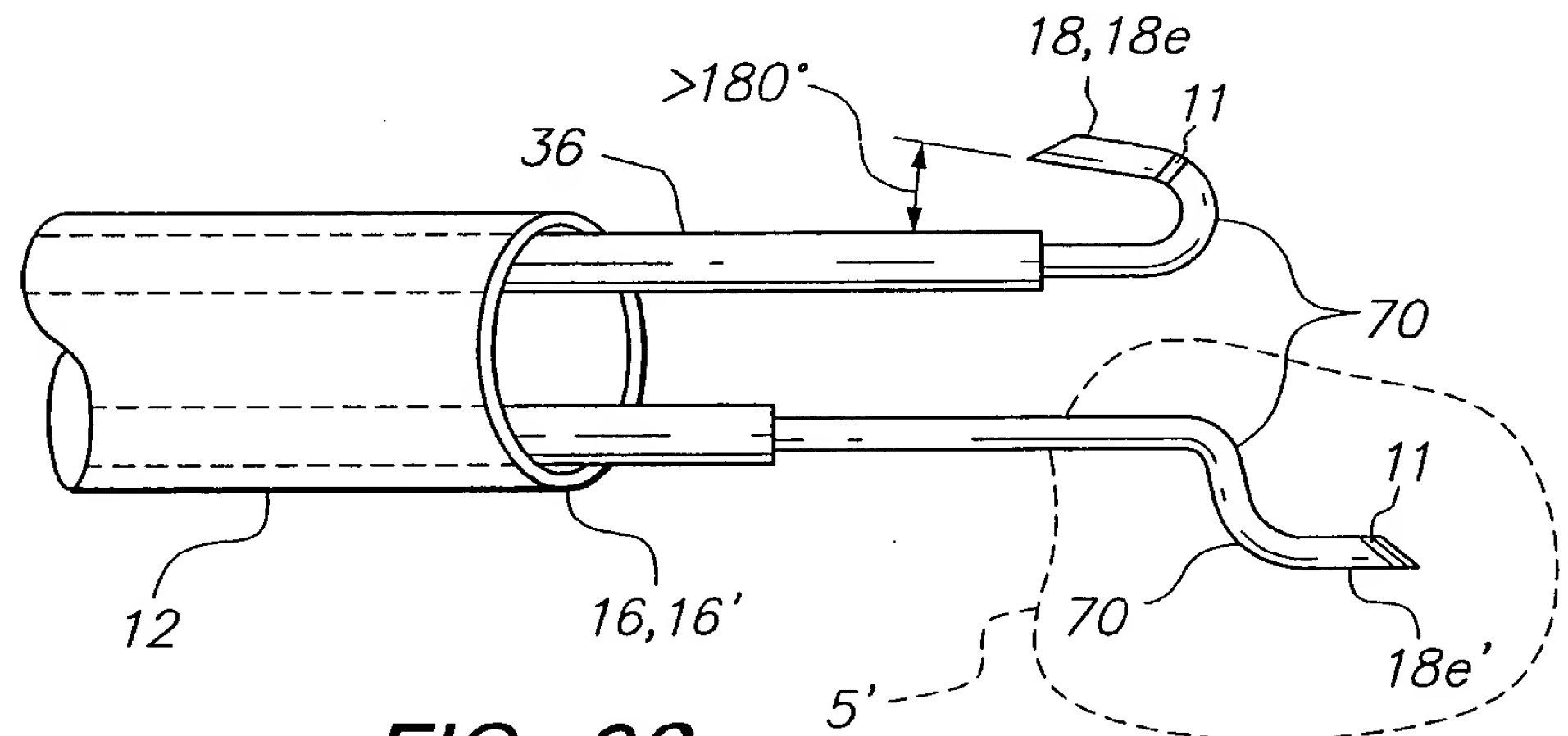


FIG. 23

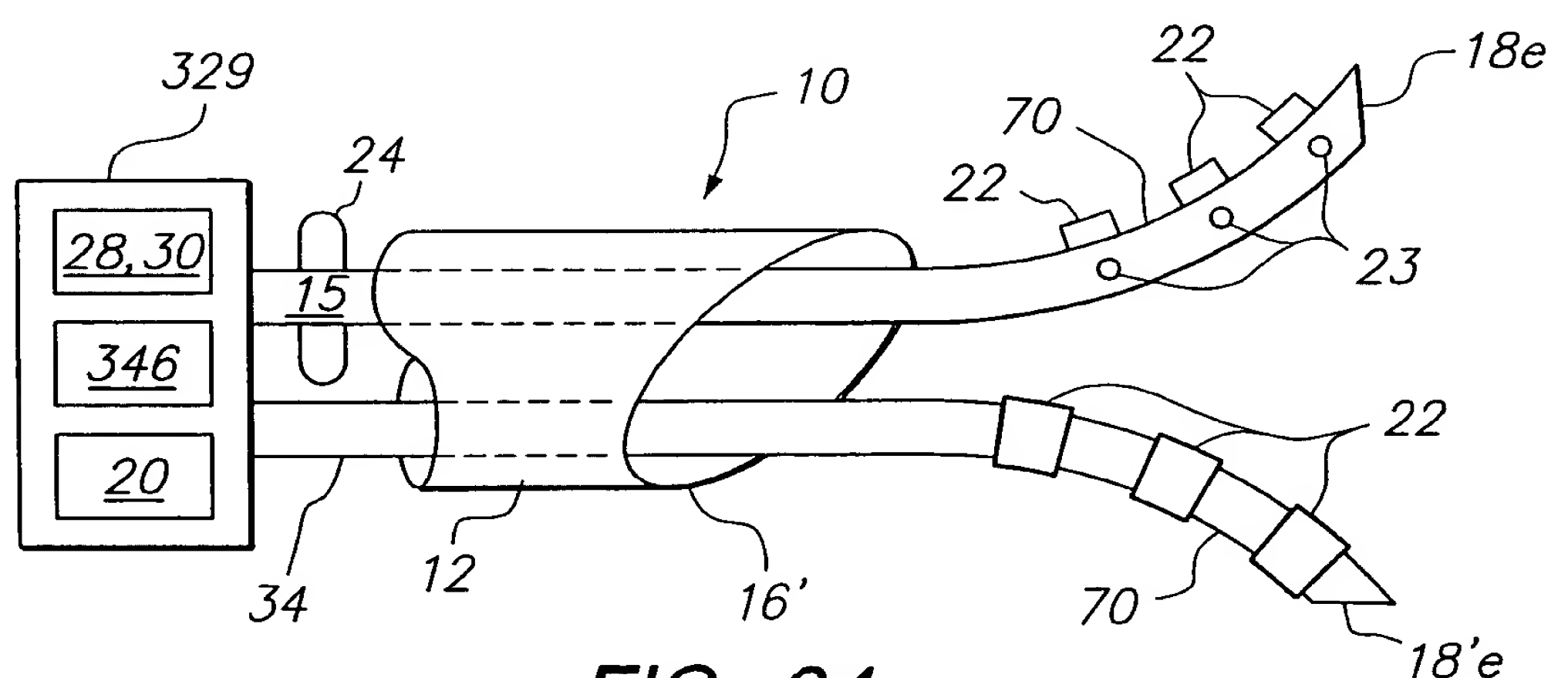


FIG. 24

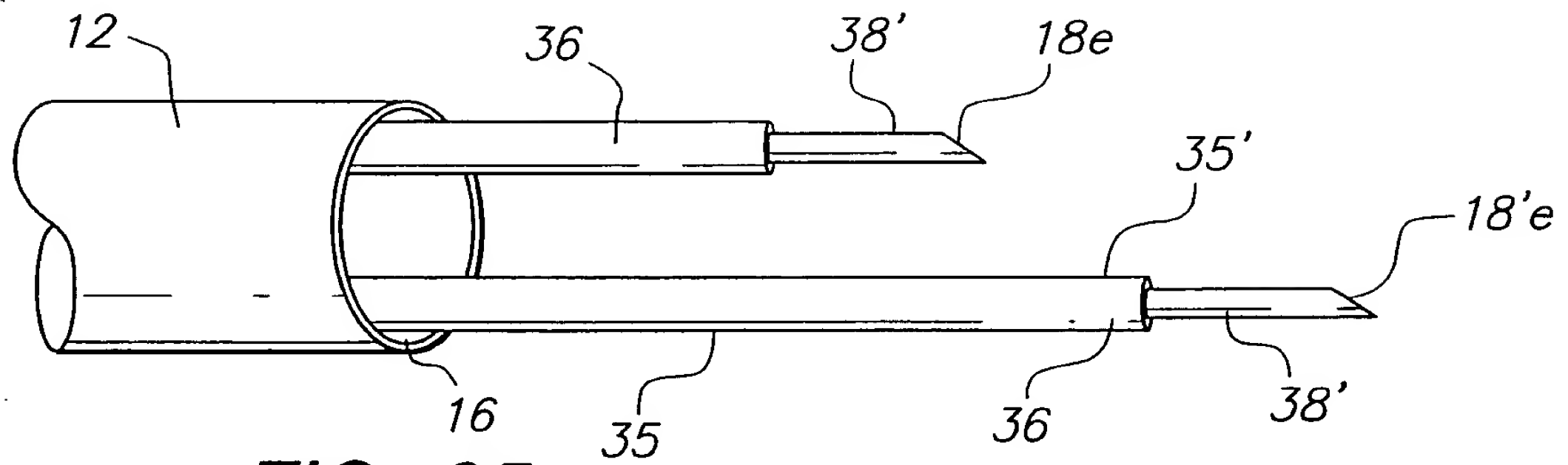


FIG. 25

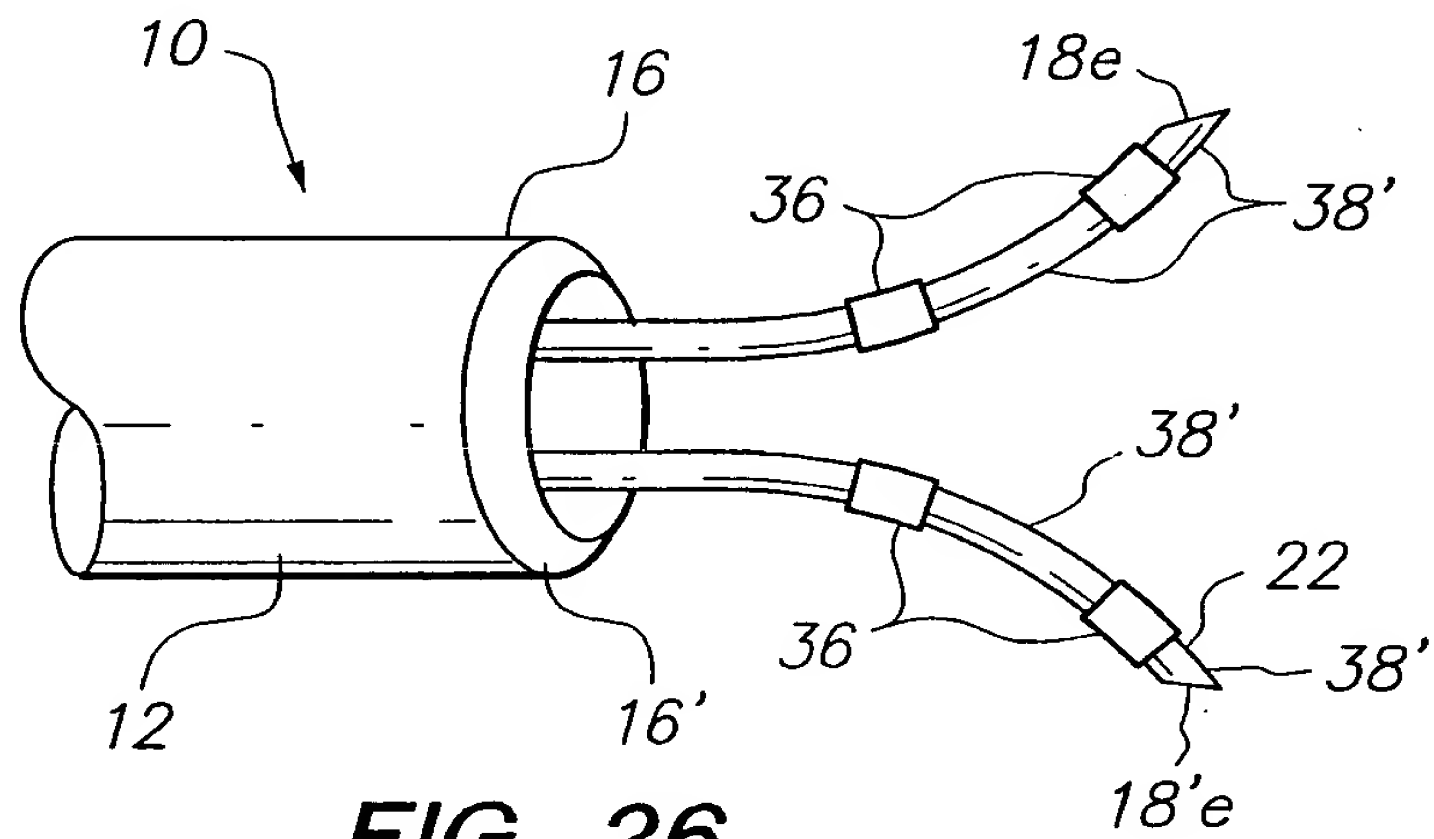


FIG. 26

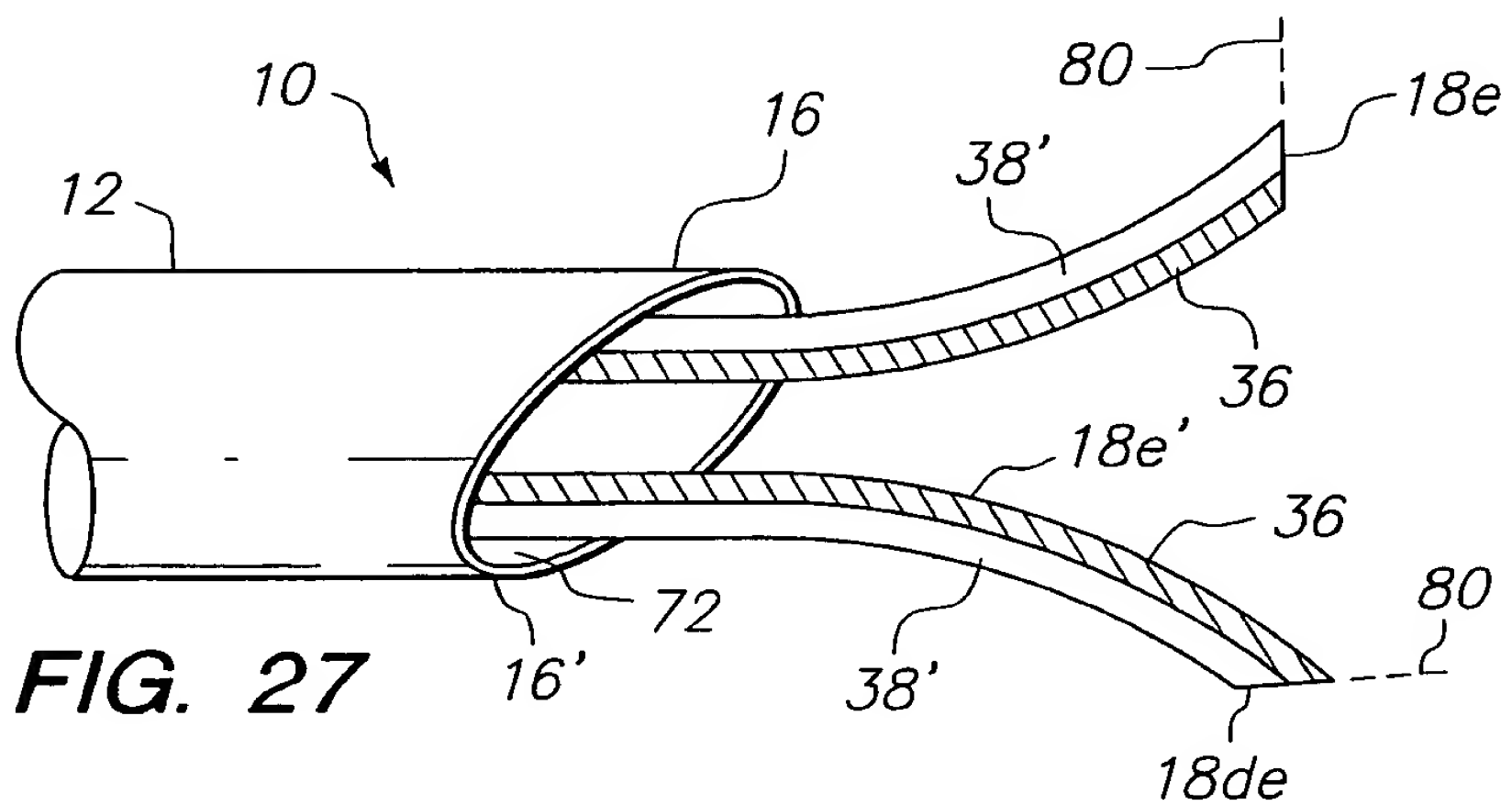


FIG. 27

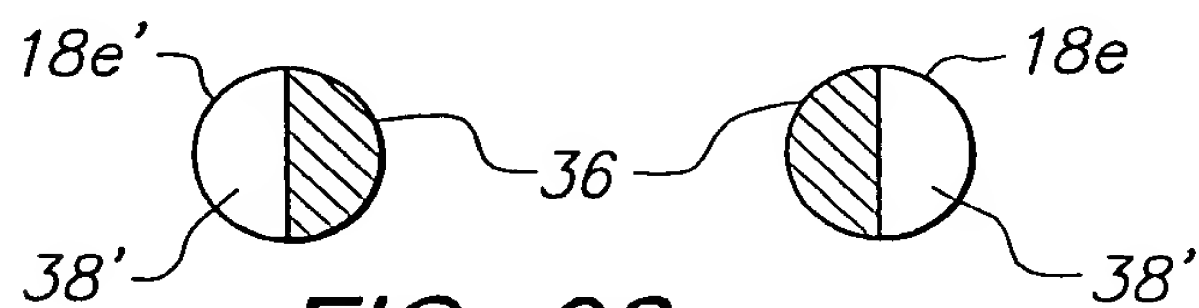


FIG. 28

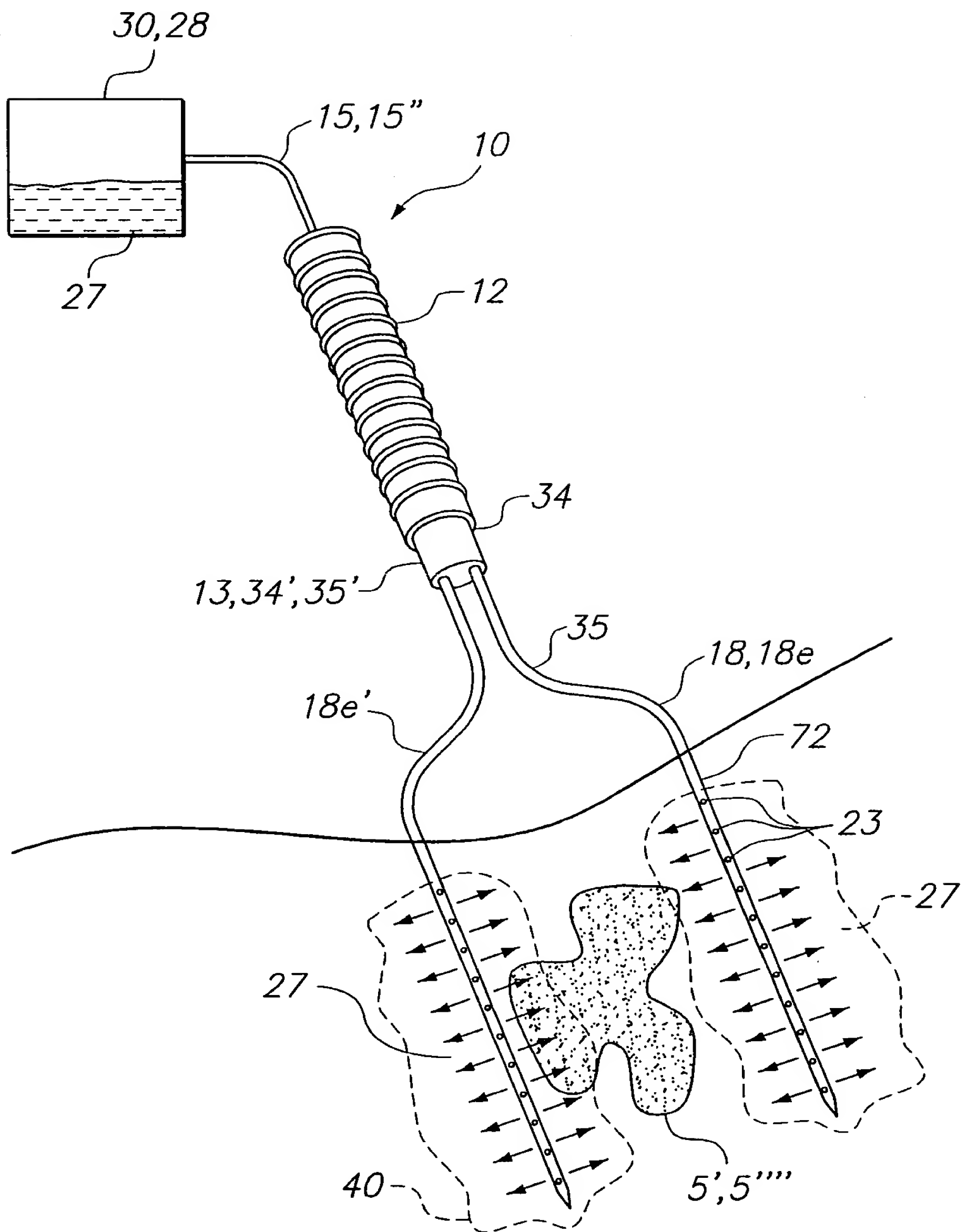


FIG. 29

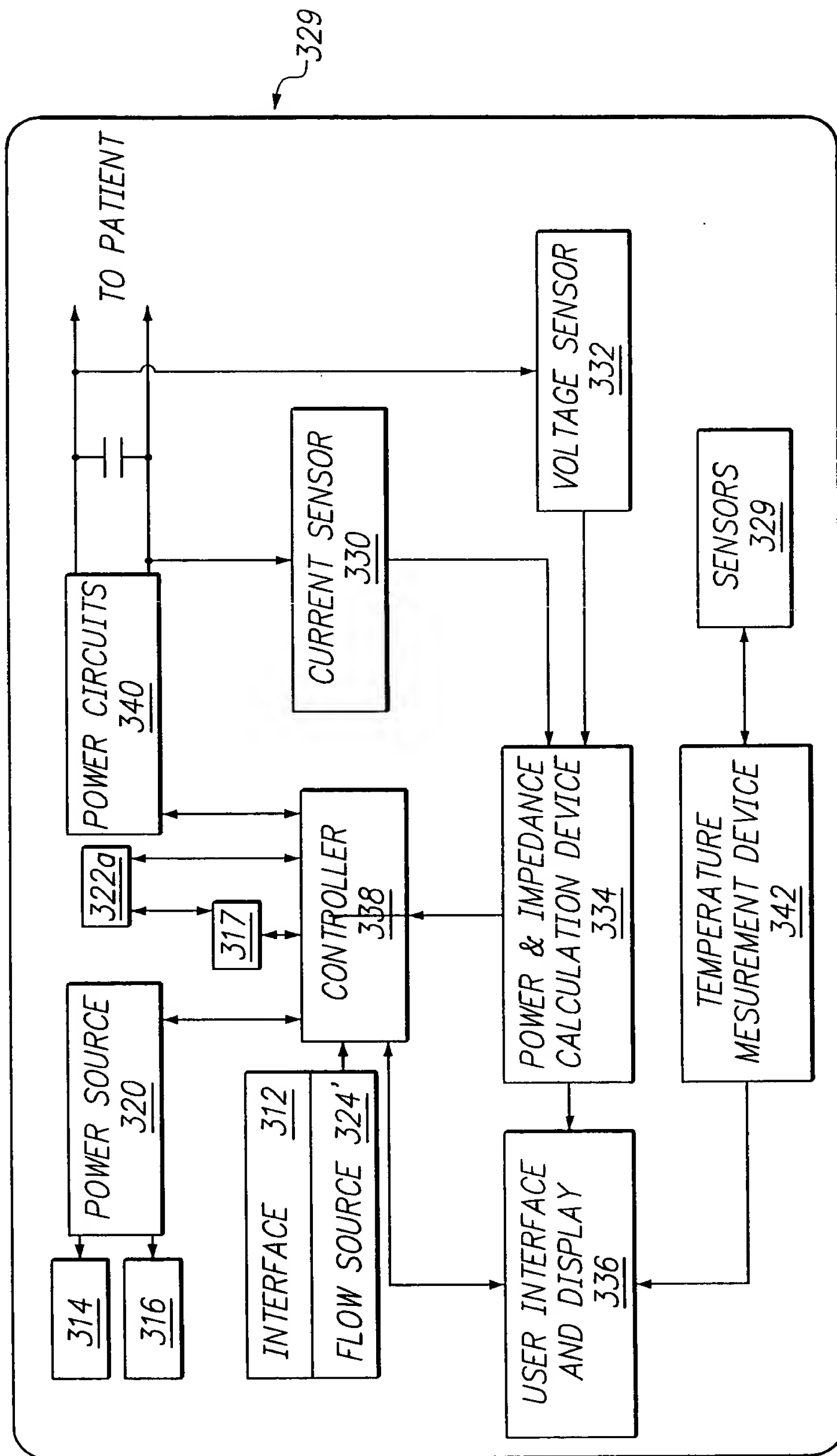


FIG. 30

FIG. 31 is a block diagram of a system 300 for monitoring a patient's vital signs. The system 300 includes a current sensor 330 and a voltage sensor 332, which are connected to an analog amplifier 344. The analog amplifier 344 is connected to an analog multiplexer 346, which is connected to an A/D converter 348. The A/D converter 348 is connected to a microprocessor 350. The microprocessor 350 is connected to a power source 320, electrodes 314, 316, and a user interface display 336. The microprocessor 350 is also connected to a memory 317 and a data storage device 322a.

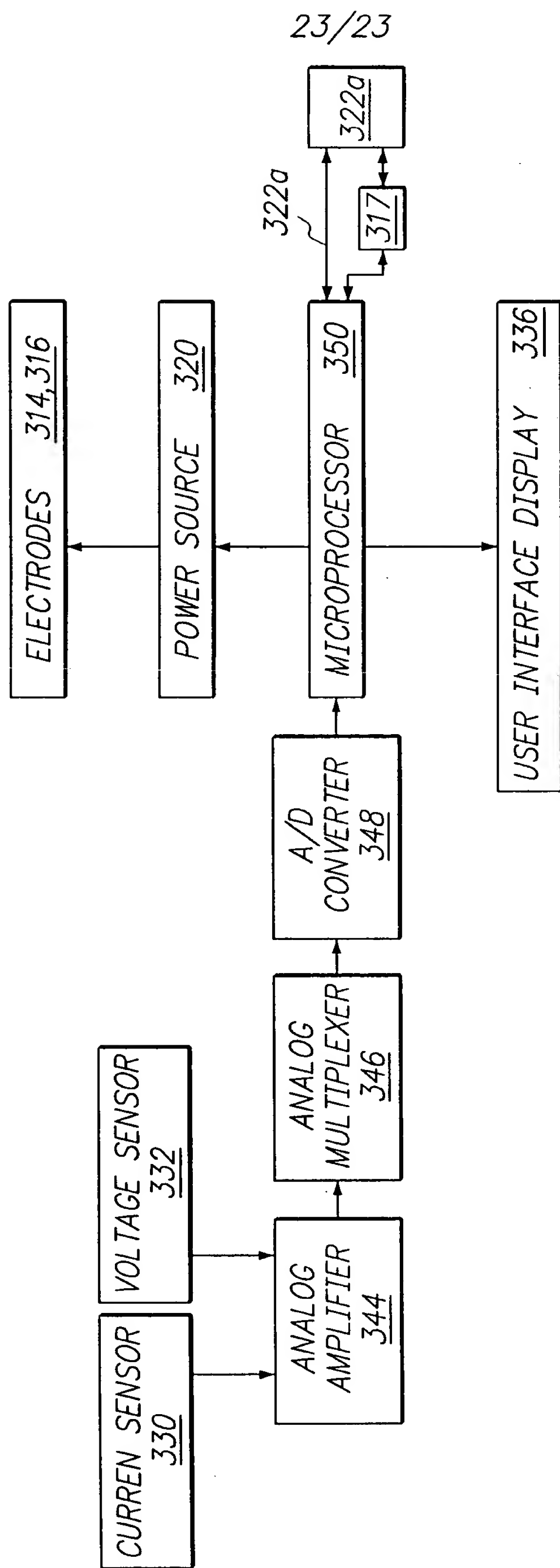


FIG. 31